

RT² Profiler PCR Array (384-Well Format)

Rat Inflammatory Response & Autoimmunity

Cat. no. 330231 PARN-3803ZE

For pathway expression analysis

Format	For use with the following real-time cyclers
RT ² Profiler PCR Array, Format E	Applied Biosystems® models 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad CFX384™
RT ² Profiler PCR Array, Format G	Roche® LightCycler® 480 (384-well block)

Description

The Rat Inflammatory Response & Autoimmunity RT² Profiler PCR Array profiles the expression of 370 key genes involved in immune responses during autoimmunity and inflammation. It represents the expression of inflammatory cytokines, chemokines, and their receptors. It also contains genes related to the production and metabolism of cytokines. Genes involved in cytokine-cytokine receptor interactions are as well as thoroughly researched panels of genes involved in the acute-phase, inflammatory, and humoral immune responses. Using real-time PCR, you can easily and reliably analyze the expression of a focused panel of genes related to autoimmunity and inflammation with this array.

For further details, consult the *RT² Profiler PCR Array Handbook*.



Sample & Assay Technologies

Shipping and storage

RT² Profiler PCR Arrays in formats E and G are shipped at ambient temperature, on dry ice, or blue ice packs depending on destination and accompanying products.

For long term storage, keep plates at –20°C.

Note: Ensure that you have the correct RT² Profiler PCR Array format for your real-time cycler (see table above).

Note: Open the package and store the products appropriately immediately on receipt.

Gene table: RT² Profiler PCR Array

Position	UniGene	GenBank	Symbol	Description
A01	Rn.32078	NM_017155	Adora1	Adenosine A1 receptor
A02	Rn.32083	NM_012898	Ahsg	Alpha-2-HS-glycoprotein
A03	Rn.32080	NM_017196	Aif1	Allograft inflammatory factor 1
A04	Rn.3192	NM_053757	Aimp1	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
A05	Rn.109007	NM_017170	Apcs	Amyloid P component, serum
A06	Rn.89304	NM_013112	Apoa2	Apolipoprotein A-II
A07	Rn.214127	XM_001075828	Apol2	Apolipoprotein L, 2
A08	Rn.145692	NM_001013175	Apol3	Apolipoprotein L, 3
A09	Rn.10568	NM_017123	Areg	Amphiregulin
A10	Rn.20571	NM_001107084	Bcl6	B-cell CLL/lymphoma 6
A11	Rn.32684	NM_001025767	Blnk	B-cell linker
A12	Rn.9305	NM_031323	Bmp1	Bone morphogenetic protein 1
A13	Rn.90931	NM_017178	Bmp2	Bone morphogenetic protein 2
A14	Rn.208979	NM_017105	Bmp3	Bone morphogenetic protein 3
A15	Rn.18030	XM_342591	Bmp7	Bone morphogenetic protein 7
A16	Rn.124474	NM_213630	Btla	B and T lymphocyte associated
A17	Rn.11378	NM_016994	C3	Complement component 3
A18	Rn.9772	NM_032060	C3ar1	Complement component 3a receptor 1
A19	Rn.81052	NM_031504	C4b	Complement component 4B (Chido blood group)
A20	Rn.17481	NM_053295	Cast	Calpastatin
A21	Rn.10771	NM_078621	Ccbp2	Chemokine binding protein 2
A22	Rn.157282	XM_001067590	Ccl1	Chemokine (C-C motif) ligand 1
A23	Rn.10632	NM_019205	Ccl11	Chemokine (C-C motif) ligand 11
A24	Rn.137780	NM_001105822	Ccl12	Chemokine (C-C motif) ligand 12
B01	Rn.46679	NM_057151	Ccl17	Chemokine (C-C motif) ligand 17
B02	Rn.12445	NM_001108661	Ccl19	Chemokine (C-C motif) ligand 19
B03	Rn.4772	NM_031530	Ccl2	Chemokine (C-C motif) ligand 2
B04	Rn.10722	NM_019233	Ccl20	Chemokine (C-C motif) ligand 20
B05	Rn.39658	NM_001008513	Ccl21	Chemokine (C-C motif) ligand 21
B06	Rn.48727	NM_057203	Ccl22	Chemokine (C-C motif) ligand 22
B07	Rn.138822	NM_001013045	Ccl24	Chemokine (C-C motif) ligand 24
B08	Rn.140677	NM_001037203	Ccl25	Chemokine (C-C motif) ligand 25
B09	Rn.195764	NM_053700	Ccl28	Chemokine (C-C motif) ligand 28
B10	Rn.10139	NM_013025	Ccl3	Chemokine (C-C motif) ligand 3
B11	Rn.37880	NM_053858	Ccl4	Chemokine (C-C motif) ligand 4
B12	Rn.8019	NM_031116	Ccl5	Chemokine (C-C motif) ligand 5
B13	Rn.7857	NM_001004202	Ccl6	Chemokine (C-C motif) ligand 6
B14	Rn.26815	NM_001007612	Ccl7	Chemokine (C-C motif) ligand 7
B15	Rn.145427	NM_001012357	Ccl9	Chemokine (C-C motif) ligand 9
B16	Rn.34673	NM_020542	Ccr1	Chemokine (C-C motif) receptor 1
B17	Rn.49607	NM_001108836	Ccr10	Chemokine (C-C motif) receptor 10
B18	Rn.211983	NM_021866	Ccr2	Chemokine (C-C motif) receptor 2
B19	Rn.9890	NM_053958	Ccr3	Chemokine (C-C motif) receptor 3
B20	Rn.81076	NM_133532	Ccr4	Chemokine (C-C motif) receptor 4
B21	Rn.10736	NM_053960	Ccr5	Chemokine (C-C motif) receptor 5
B22	Rn.161767	NM_001013145	Ccr6	Chemokine (C-C motif) receptor 6
B23	Rn.16815	NM_199489	Ccr7	Chemokine (C-C motif) receptor 7
B24	N/A	XM_236704	Ccr8	Chemokine (C-C motif) receptor 8
C01	Rn.91140	NM_172329	Ccr9	Chemokine (C-C motif) receptor 9
C02	Rn.169598	XM_001061617	Ccr11	Chemokine (C-C motif) receptor-like 1

Position	UniGene	GenBank	Symbol	Description
C03	Rn.67232	NM_001108191	Ccl2	Chemokine (C-C motif) receptor-like 2
C04	Rn.42942	NM_021744	Cd14	CD14 molecule
C05	Rn.214157	NM_001106405	Cd180	CD180 molecule
C06	Rn.134200	NM_001024335	Cd27	CD27 molecule
C07	Rn.10327	NM_013121	Cd28	Cd28 molecule
C08	Rn.10748	NM_012705	Cd4	Cd4 molecule
C09	Rn.25180	NM_134360	Cd40	CD40 molecule, TNF receptor superfamily member 5
C10	Rn.44218	NM_053353	Cd40lg	CD40 ligand
C11	Rn.103013	NM_001106878	Cd70	Cd70 molecule
C12	Rn.33804	NM_013069	Cd74	Cd74 molecule, major histocompatibility complex, class II invariant chain
C13	Rn.6734	NM_020081	Cd86	CD86 molecule
C14	Rn.10306	NM_031538	Cd8a	CD8a molecule
C15	Rn.107655	NM_001012164	Cd97	CD97 molecule
C16	Rn.6479	NM_024125	Cebpb	CCAAT/enhancer binding protein (C/EBP), beta
C17	Rn.81197	NM_139111	Cklf	Chemokine-like factor
C18	Rn.130193	NM_207615	Clcf1	Cardiotrophin-like cytokine factor 1
C19	Rn.163394	NM_001013142	Cmtm2a	CKLF-like MARVEL transmembrane domain containing 2A
C20	Rn.55036	NM_001003929	Cntrf	Ciliary neurotrophic factor receptor
C21	Rn.16463	NM_017096	Crp	C-reactive protein, pentraxin-related
C22	Rn.83632	NM_023981	Csf1	Colony stimulating factor 1 (macrophage)
C23	Rn.44285	XM_340799	Csf2	Colony stimulating factor 2 (granulocyte-macrophage)
C24	Rn.216620	NM_001037660	Csf2ra	Granulocyte-macrophage colony stimulating receptor alpha
D01	Rn.42930	NM_133555	Csf2rb	Colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
D02	Rn.53973	NM_017104	Csf3	Colony stimulating factor 3 (granulocyte)
D03	Rn.134664	NM_001106685	Csf3r	Colony stimulating factor 3 receptor (granulocyte)
D04	Rn.10253	NM_017129	Cif1	Cardiotrophin 1
D05	Rn.160600	NM_001135800	Cif2	Cardiotrophin 2
D06	Rn.107266	NM_134455	Cx3cl1	Chemokine (C-X3-C motif) ligand 1
D07	Rn.10482	NM_133534	Cx3cr1	Chemokine (C-X3-C motif) receptor 1
D08	Rn.10907	NM_030845	Cxcl1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
D09	Rn.10584	NM_139089	Cxcl10	Chemokine (C-X-C motif) ligand 10
D10	Rn.13664	NM_182952	Cxcl11	Chemokine (C-X-C motif) ligand 11
D11	Rn.54439	NM_022177	Cxcl12	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)
D12	Rn.6917	NM_001017496	Cxcl13	Chemokine (C-X-C motif) ligand 13
D13	Rn.3130	NM_001013137	Cxcl14	Chemokine (C-X-C motif) ligand 14
D14	Rn.7070	NM_001017478	Cxcl16	Chemokine (C-X-C motif) ligand 16
D15	Rn.10230	NM_053647	Cxcl2	Chemokine (C-X-C motif) ligand 2
D16	Rn.10525	NM_138522	Cxcl3	Chemokine (C-X-C motif) ligand 3
D17	Rn.44449	NM_022214	Cxcl5	Chemokine (C-X-C motif) ligand 5
D18	Rn.7391	NM_145672	Cxcl9	Chemokine (C-X-C motif) ligand 9
D19	Rn.90347	NM_017183	Cxcr2	Chemokine (C-X-C motif) receptor 2
D20	Rn.24787	NM_053415	Cxcr3	Chemokine (C-X-C motif) receptor 3
D21	Rn.44431	NM_022205	Cxcr4	Chemokine (C-X-C motif) receptor 4
D22	Rn.127121	NM_053303	Cxcr5	Chemokine (C-X-C motif) receptor 5
D23	Rn.217921	NM_001102587	Cxcr6	Chemokine receptor CXCR6
D24	Rn.12959	NM_053352	Cxcr7	Chemokine (C-X-C motif) receptor 7
E01	Rn.98491	NM_023965	Cybb	Cytochrome b-245, beta polypeptide
E02	Rn.19898	NM_181087	Cyp26b1	Cytochrome P450, family 26, subfamily b, polypeptide 1
E03	Rn.178834	XM_001068649	Dock2	Dedicator of cytokinesis 2
E04	Rn.54495	NM_022936	Ephx2	Epoxide hydrolase 2, cytoplasmic
E05	Rn.11365	NM_017001	Epo	Erythropoietin
E06	Rn.22394	NM_017002	Epor	Erythropoietin receptor
E07	Rn.93966	NM_017003	ErbB2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
E08	Rn.107273	NM_053796	F11r	F11 receptor
E09	Rn.54498	NM_022924	F2	Coagulation factor II (thrombin)
E10	Rn.9980	NM_013057	F3	Coagulation factor III (thromboplastin, tissue factor)
E11	Rn.95452	NM_183331	F8	Coagulation factor VIII, procoagulant component
E12	Rn.162521	NM_139194	Fas	Fas (TNF receptor superfamily, member 6)
E13	Rn.9725	NM_012908	Faslg	Fas ligand (TNF superfamily, member 6)
E14	Rn.88013	NM_012846	Fgf1	Fibroblast growth factor 1
E15	Rn.44439	NM_012951	Fgf10	Fibroblast growth factor 10
E16	Rn.45965	NM_130814	Fgf12	Fibroblast growth factor 12
E17	Rn.31808	NM_019305	Fgf2	Fibroblast growth factor 2
E18	Rn.81236	NM_130817	Fgf3	Fibroblast growth factor 3
E19	Rn.81223	NM_053809	Fgf4	Fibroblast growth factor 4
E20	Rn.44445	NM_022211	Fgf5	Fibroblast growth factor 5
E21	Rn.81222	NM_131908	Fgf6	Fibroblast growth factor 6
E22	Rn.98842	NM_022182	Fgf7	Fibroblast growth factor 7
E23	Rn.73565	NM_133286	Fgf8	Fibroblast growth factor 8
E24	Rn.25174	NM_012952	Fgf9	Fibroblast growth factor 9

Position	UniGene	GenBank	Symbol	Description
F01	Rn.10796	NM_031761	Figf	C-fos induced growth factor
F02	Rn.1604	NM_019143	Fn1	Fibronectin 1
F03	Rn.103750	NM_022197	Fos	FBJ osteosarcoma oncogene
F04	Rn.218643	NM_001106216	Fpr1	Formyl peptide receptor 1
F05	Rn.202592	NM_001109671	Gdf3	Growth differentiation factor 3
F06	Rn.127822	XM_001066344	Gdf5	Growth differentiation factor 5
F07	Rn.49815	NM_001013038	Gdf6	Growth differentiation factor 6
F08	Rn.92437	NM_001170350	Gdf7	Growth differentiation factor 7
F09	Rn.42874	NM_021672	Gdf9	Growth differentiation factor 9
F10	Rn.88489	NM_012959	Gfra1	GDNF family receptor alpha 1
F11	Rn.90137	NM_012750	Gfra2	GDNF family receptor alpha 2
F12	Rn.2178	NM_017094	Ghr	Growth hormone receptor
F13	Rn.44333	NM_001105993	Glmn	Glomulin, FKBP associated protein
F14	Rn.84435	NM_207592	Gpi	Glucose phosphate isomerase
F15	Rn.16653	NM_001108049	Gpr68	G protein-coupled receptor 68
F16	Rn.42929	NM_019282	Grem1	Gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)
F17	Rn.16419	NM_001105974	Grem2	Gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis)
F18	Rn.5820	NM_017113	Grn	Granulin
F19	Rn.23483	XM_343629	Hdac4	Histone deacetylase 4
F20	Rn.79863	NM_053450	Hdac5	Histone deacetylase 5
F21	Rn.203327	XM_345868	Hdac7	Histone deacetylase 7
F22	Rn.198197	XM_234063	Hdac9	Histone deacetylase 9
F23	Rn.81032	NM_017018	Hrh1	Histamine receptor H 1
F24	Rn.196548	NM_001014786	Ifna1	Interferon-alpha 1
G01	N/A	XM_233152	Ifna2	Interferon alpha family, gene 2
G02	Rn.218577	NM_001106667	Ifna4	Interferon, alpha 4
G03	Rn.105738	NM_001105893	Ifnar1	Interferon (alpha, beta and omega) receptor 1
G04	Rn.138105	NM_019127	Ifnb1	Interferon beta 1, fibroblast
G05	Rn.10795	NM_138880	Ifng	Interferon gamma
G06	Rn.19927	NM_053783	Ifngr1	Interferon gamma receptor 1
G07	Rn.23305	NM_001108313	Ifngr2	Interferon gamma receptor 2
G08	Rn.104672	NM_001107925	Ifnk	Interferon kappa
G09	Rn.7079	NM_031624	Igbbp1	Immunoglobulin (CD79A) binding protein 1
G10	Rn.19642	NM_001005537	Ik	IK cytokine
G11	Rn.9868	NM_012854	Il10	Interleukin 10
G12	Rn.64632	NM_057193	Il10ra	Interleukin 10 receptor, alpha
G13	Rn.22261	NM_001107111	Il10rb	Interleukin 10 receptor, beta
G14	Rn.198483	NM_133519	Il11	Interleukin 11
G15	Rn.29849	NM_139116	Il11ra1	Interleukin 11 receptor, alpha chain 1
G16	Rn.207199	NM_053390	Il12a	Interleukin 12a
G17	Rn.48686	NM_022611	Il12b	Interleukin 12b
G18	Rn.162266	XM_344493	Il12rb1	Interleukin 12 receptor, beta 1
G19	Rn.207395	XM_231873	Il12rb2	Interleukin 12 receptor, beta 2
G20	Rn.9921	NM_053828	Il13	Interleukin 13
G21	Rn.81210	NM_145789	Il13ra1	Interleukin 13 receptor, alpha 1
G22	Rn.162308	NM_133538	Il13ra2	Interleukin 13 receptor, alpha 2
G23	Rn.2490	NM_013129	Il15	Interleukin 15
G24	Rn.104665	NM_001105749	Il16	Interleukin 16
H01	Rn.218513	NM_001106897	Il17a	Interleukin 17A
H02	Rn.50003	NM_053789	Il17b	Interleukin 17B
H03	N/A	XM_001078615	Il17c	Interleukin 17C
H04	Rn.17127	XM_001079675	Il17d	Interleukin 17D
H05	Rn.34022	NM_001015011	Il17f	Interleukin 17F
H06	Rn.106209	NM_001107883	Il17ra	Interleukin 17 receptor A
H07	Rn.150863	NM_001107290	Il17rb	Interleukin 17 receptor B
H08	Rn.111118	NM_019165	Il18	Interleukin 18
H09	Rn.149181	NM_001106905	Il18r1	Interleukin 18 receptor 1
H10	Rn.105609	NM_184047	Il18rap	Interleukin 18 receptor accessory protein
H11	Rn.12300	NM_017019	Il1a	Interleukin 1 alpha
H12	Rn.9869	NM_031512	Il1b	Interleukin 1 beta
H13	Rn.84164	NM_001108571	Il1f10	Interleukin 1 family, member 10
H14	Rn.63170	NM_001107814	Il1f5	Interleukin 1 family, member 5 (delta)
H15	Rn.218666	NM_001106554	Il1f6	Interleukin 1 family, member 6
H16	Rn.137499	NM_001108570	Il1f8	Interleukin 1 family, member 8
H17	Rn.152030	NM_001113790	Il1f9	Interleukin 1 family, member 9
H18	Rn.9758	NM_013123	Il1r1	Interleukin 1 receptor, type I
H19	Rn.10758	NM_053953	Il1r2	Interleukin 1 receptor, type II
H20	Rn.10511	NM_012968	Il1rap	Interleukin 1 receptor accessory protein
H21	Rn.208232	NM_001166342	Il1rapl2	Interleukin 1 receptor accessory protein-like 2
H22	Rn.10072	NM_013037	Il1rl1	Interleukin 1 receptor-like 1
H23	Rn.10235	NM_133575	Il1rl2	Interleukin 1 receptor-like 2

Position	UniGene	GenBank	Symbol	Description
H24	Rn.162640	NM_022194	Il1rn	Interleukin 1 receptor antagonist
I01	Rn.9871	NM_053836	Il2	Interleukin 2
I02	Rn.222008	NM_001143881	Il20	Interleukin 20
I03	Rn.162399	NM_001107521	Il20ra	Interleukin 20 receptor, alpha
I04	Rn.214949	NM_001108943	Il21	Interleukin 21
I05	Rn.103248	NM_001012469	Il21r	Interleukin 21 receptor
I06	Rn.195879	XM_576228	Il22	Interleukin 22
I07	Rn.13127	NM_001003404	Il22ra2	Interleukin 22 receptor, alpha 2
I08	Rn.81073	NM_130410	Il23a	Interleukin 23, alpha subunit p19
I09	Rn.134349	XM_001072576	Il23r	Interleukin 23 receptor
I10	Rn.48710	NM_133311	Il24	Interleukin 24
I11	Rn.141273	XM_577423	Il25	Interleukin 25
I12	N/A	XM_344962	Il27	Interleukin 27
I13	Rn.47680	NM_001105943	Il27ra	Interleukin 27 receptor, alpha
I14	Rn.9872	NM_013163	Il2ra	Interleukin 2 receptor, alpha
I15	Rn.5832	NM_013195	Il2rb	Interleukin 2 receptor, beta
I16	Rn.14508	NM_080889	Il2rg	Interleukin 2 receptor, gamma
I17	Rn.10652	NM_031513	Il3	Interleukin 3
I18	Rn.144673	NM_139260	Il3ra	Interleukin 3 receptor, alpha
I19	Rn.108255	NM_201270	Il4	Interleukin 4
I20	Rn.10471	NM_133380	Il4ra	Interleukin 4 receptor, alpha
I21	Rn.44227	NM_021834	Il5	Interleukin 5
I22	Rn.67068	NM_053645	Il5ra	Interleukin 5 receptor, alpha
I23	Rn.9873	NM_012589	Il6	Interleukin 6
I24	Rn.1716	NM_017020	Il6r	Interleukin 6 receptor
J01	Rn.12138	NM_001008725	Il6st	Interleukin 6 signal transducer
J02	Rn.10793	NM_013110	Il7	Interleukin 7
J03	Rn.6633	NM_001106418	Il7r	Interleukin 7 receptor
J04	Rn.138115	NM_019310	Il8ra	Interleukin 8 receptor, alpha
J05	Rn.92374	NM_001105747	Il9	Interleukin 9
J06	Rn.10045	NM_017021	Il9r	Interleukin 9 receptor
J07	Rn.8831	NM_012590	Inha	Inhibin alpha
J08	Rn.9874	NM_017128	Inhba	Inhibin beta-A
J09	Rn.35074	NM_080771	Inhbb	Inhibin beta-B
J10	Rn.962	NM_019129	Ins1	Insulin 1
J11	Rn.989	NM_019130	Ins2	Insulin 2
J12	Rn.82114	NM_001106108	Irf4	Interferon regulatory factor 4
J13	Rn.101159	NM_001033691	Irf7	Interferon regulatory factor 7
J14	Rn.42962	NM_001037780	Itgb2	Integrin, beta 2
J15	Rn.11308	NM_019369	Itih4	Inter alpha-trypsin inhibitor, heavy chain 4
J16	Rn.44216	NM_021843	Kitlg	KIT ligand
J17	Rn.128333	NM_012696	Kng1	Kininogen 1
J18	Rn.198703	NM_212513	Lag3	Lymphocyte-activation gene 3
J19	Rn.99706	NM_001044230	Lass1	LAG1 homolog, ceramide synthase 1
J20	Rn.9773	NM_030853	Lat	Linker for activation of T cells
J21	Rn.48863	NM_017208	Lbp	Lipopolysaccharide binding protein
J22	Rn.1057	NM_130421	Lcp2	Lymphocyte cytosolic protein 2
J23	Rn.218667	NM_001109080	Lefty1	Left right determination factor 1
J24	Rn.215726	NM_001007556	Lefty2	Left-right determination factor 2
K01	Rn.9891	NM_012596	Lepr	Leptin receptor
K02	Rn.44379	NM_022196	Lif	Leukemia inhibitory factor
K03	Rn.14529	NM_031048	Lifr	Leukemia inhibitory factor receptor alpha
K04	Rn.144136	XM_002725156	LOC100363145	Stabilin 1
K05	Rn.994	XM_576697	LOC501282	Similar to lymphocyte antigen 6 complex, locus E ligand
K06	Rn.160577	NM_080769	Lta	Lymphotoxin alpha (TNF superfamily, member 1)
K07	Rn.203016	NM_212507	Ltb	Lymphotoxin beta (TNF superfamily, member 3)
K08	Rn.41003	NM_021656	Ltb4r	Leukotriene B4 receptor
K09	Rn.3176	NM_001106128	LyB6	Lymphocyte antigen B6
K10	Rn.141496	NM_001024279	Ly96	Lymphocyte antigen 96
K11	Rn.17447	NM_030859	Mdk	Midkine
K12	Rn.29105	NM_031634	Mefv	Mediterranean fever
K13	Rn.40396	NM_138502	Mgll	Monoglyceride lipase
K14	Rn.2661	NM_031051	Mif	Macrophage migration inhibitory factor
K15	Rn.110073	XM_001055465	Mmp25	Matrix metalloproteinase 25
K16	Rn.198731	XM_345572	Mpl	Myeloproliferative leukemia virus oncogene
K17	Rn.44460	NM_019151	Mstn	Myostatin
K18	Rn.24930	XM_221384	Muc4	Mucin 4, cell surface associated
K19	Rn.37341	NM_198130	Myd88	Myeloid differentiation primary response gene 88
K20	Rn.203508	NM_177928	Nampt	Nicotinamide phosphoribosyltransferase
K21	Rn.38575	NM_053734	Ncf1	Neutrophil cytosolic factor 1

Position	UniGene	GenBank	Symbol	Description
K22	Rn.203206	NM_181822	Ncr3	Natural cytotoxicity triggering receptor 3
K23	Rn.217507	NM_001108447	Nfatc3	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
K24	Rn.23727	NM_001107264	Nfatc4	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
L01	Rn.167338	NM_001108293	Nfe2l1	Nuclear factor, erythroid derived 2,-like 1
L02	Rn.2411	XM_342346	Nfkb1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
L03	Rn.96240	NM_001108133	Nfrkb	Nuclear factor related to kappa B binding protein
L04	Rn.55459	NM_001024784	Nfx1	Nuclear transcription factor, X-box binding 1
L05	Rn.108865	NM_001169142	Nlrp12	NLR family, pyrin domain containing 12
L06	Rn.18496	NM_001034148	Nmi	N-myc (and STAT) interactor
L07	Rn.218528	NM_001106394	Nodal	Nodal homolog (mouse)
L08	Rn.10400	NM_012611	Nos2	Nitric oxide synthase 2, inducible
L09	Rn.90070	NM_012576	Nr3c1	Nuclear receptor subfamily 3, group C, member 1
L10	Rn.37438	NM_031588	Nrg1	Neuregulin 1
L11	Rn.9715	NM_031073	Nrf3	Neurotrophin 3
L12	Rn.87449	NM_133306	Olr1	Oxidized low density lipoprotein (lectin-like) receptor 1
L13	Rn.127158	NM_001006961	Osm	Oncostatin M
L14	Rn.92110	NM_001005384	Osmr	Oncostatin M receptor
L15	Rn.10999	NM_012801	Pdgfa	Platelet-derived growth factor alpha polypeptide
L16	Rn.198230	NM_031524	Pdgfb	Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
L17	Rn.211987	NM_031317	Pdgfc	Platelet derived growth factor C
L18	Rn.6800	NM_001007729	Pf4	Platelet factor 4
L19	Rn.2834	NM_053373	Pglyrp1	Peptidoglycan recognition protein 1
L20	Rn.109549	NM_001013428	Pla2g2d	Phospholipase A2, group IID
L21	Rn.90768	NM_001009353	Pla2g7	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
L22	Rn.67082	NM_153721	Pbpb	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
L23	Rn.2944	NM_053610	Prdx5	Peroxiredoxin 5
L24	Rn.10674	NM_031619	Prg2	Proteoglycan 2, bone marrow
M01	Rn.90807	NM_001106487	Prg3	Proteoglycan 3
M02	Rn.9759	NM_012629	Prl	Prolactin
M03	Rn.9757	NM_012630	Prlr	Prolactin receptor
M04	Rn.144312	NM_001025733	Procr	Protein C receptor, endothelial
M05	Rn.211872	NM_138852	Prok2	Prokineticin 2
M06	Rn.10137	NM_053321	Plafr	Platelet-activating factor receptor
M07	Rn.44369	NM_017232	Ptgs2	Prostaglandin-endoperoxide synthase 2
M08	Rn.1653	NM_017066	Ptn	Pleiotrophin
M09	Rn.18043	NM_012763	Ptpa	Protein tyrosine phosphatase, receptor type, A
M10	Rn.10292	NM_031587	Pxmp2	Peroxisomal membrane protein 2
M11	Rn.11222	NM_172077	Reg3a	Regenerating islet-derived 3 alpha
M12	Rn.9729	NM_173097	Reg3g	Regenerating islet-derived 3 gamma
M13	Rn.106948	XM_223688	Rel	V-rel reticuloendotheliosis viral oncogene homolog (avian)
M14	Rn.19480	NM_199267	Rela	V-rel reticuloendotheliosis viral oncogene homolog A (avian)
M15	Rn.102179	XM_342810	Ripk2	Receptor-interacting serine-threonine kinase 2
M16	Rn.104930	NM_001004095	S100a11	S100 calcium binding protein A11 (calizzarin)
M17	Rn.31839	NM_053822	S100a8	S100 calcium binding protein A8
M18	Rn.8937	NM_013191	S100b	S100 calcium binding protein B
M19	Rn.25066	NM_001009478	Saa4	Serum amyloid A4, constitutive
M20	Rn.45602	NM_022669	Scg2	Secretogranin II (chromogranin C)
M21	Rn.8673	NM_001134884	Scube1	Signal peptide, CUB domain, EGF-like 1
M22	Rn.4309	NM_031986	Sdcbp	Syndecan binding protein
M23	Rn.145435	NM_001013043	Sectm1a	Secreted and transmembrane 1A
M24	Rn.25030	NM_199082	Sectm1b	Secreted and transmembrane 1B
N01	Rn.10359	NM_138879	Sele	Selectin E
N02	Rn.1419	NM_022519	Serpina1	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
N03	Rn.202939	NM_031531	Serpina3n	Serine (or cysteine) peptidase inhibitor, clade A, member 3N
N04	Rn.15774	NM_001011892	Serpinf2	Serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
N05	Rn.11348	NM_012878	Sftpd	Surfactant protein D
N06	Rn.16525	NM_001024887	Sigirr	Single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
N07	Rn.23843	NM_001100982	Siva1	SIVA1, apoptosis-inducing factor
N08	Rn.5641	NM_131906	Slco1a4	Solute carrier organic anion transporter family, member 1a4
N09	Rn.20329	NM_001130544	Slurp1	Secreted Ly6/Plaur domain containing 1
N10	Rn.205056	NM_058208	Socs2	Suppressor of cytokine signaling 2
N11	Rn.47764	NM_001105820	Spaca3	Sperm acrosome associated 3
N12	Rn.8871	NM_012881	Spp1	Secreted phosphoprotein 1
N13	Rn.202884	NM_001047089	Spred1	Sprouty-related, EVH1 domain containing 1
N14	Rn.10247	NM_012747	Stat3	Signal transducer and activator of transcription 3
N15	Rn.154399	NM_017064	Stat5a	Signal transducer and activator of transcription 5A
N16	Rn.54486	NM_022380	Stat5b	Signal transducer and activator of transcription 5B
N17	Rn.87407	NM_012758	Syk	Spleen tyrosine kinase

Position	UniGene	GenBank	Symbol	Description
N18	Rn.89609	NM_012667	Tacr1	Tachykinin receptor 1
N19	Rn.40136	NM_021578	Tgfb1	Transforming growth factor, beta 1
N20	Rn.10576	NM_031133	Thpo	Thrombopoietin
N21	N/A	XM_001055833	Tirap	Toll-interleukin 1 receptor (TIR) domain-containing adaptor protein
N22	Rn.107212	NM_001172120	Tlr1	Toll-like receptor 1
N23	N/A	NM_001146035	Tlr10	Toll-like receptor 10
N24	Rn.46387	NM_198769	Tlr2	Toll-like receptor 2
O01	Rn.15273	NM_198791	Tlr3	Toll-like receptor 3
O02	Rn.14534	NM_019178	Tlr4	Toll-like receptor 4
O03	Rn.198962	NM_001145828	Tlr5	Toll-like receptor 5
O04	Rn.163249	NM_207604	Tlr6	Toll-like receptor 6
O05	Rn.219862	NM_001097582	Tlr7	Toll-like receptor 7
O06	Rn.92495	NM_198131	Tlr9	Toll-like receptor 9
O07	Rn.2275	NM_012675	Tnf	Tumor necrosis factor (TNF superfamily, member 2)
O08	Rn.195358	NM_053382	Tnfaip6	Tumor necrosis factor alpha induced protein 6
O09	Rn.202973	NM_012870	Tnfrsf11b	Tumor necrosis factor receptor superfamily, member 11b
O10	Rn.11119	NM_013091	Tnfrsf1a	Tumor necrosis factor receptor superfamily, member 1a
O11	Rn.83633	NM_130426	Tnfrsf1b	Tumor necrosis factor receptor superfamily, member 1b
O12	Rn.48883	NM_013049	Tnfrsf4	Tumor necrosis factor receptor superfamily, member 4
O13	Rn.83627	NM_145681	Tnfrsf10	Tumor necrosis factor (ligand) superfamily, member 10
O14	Rn.64517	NM_057149	Tnfrsf11	Tumor necrosis factor (ligand) superfamily, member 11
O15	Rn.3211	NM_001001513	Tnfrsf12	Tumor necrosis factor ligand superfamily member 12
O16	Rn.19955	NM_001009623	Tnfrsf13	Tumor necrosis factor (ligand) superfamily, member 13
O17	N/A	XM_236794	Tnfrsf14	Tumor necrosis factor (ligand) superfamily, member 14
O18	Rn.84873	NM_145765	Tnfrsf15	Tumor necrosis factor (ligand) superfamily, member 15
O19	N/A	XM_344166	Tnfrsf18	Tumor necrosis factor (ligand) superfamily, member 18
O20	Rn.30043	NM_053552	Tnfrsf4	Tumor necrosis factor (ligand) superfamily, member 4
O21	Rn.185237	NM_181384	Tnfrsf9	Tumor necrosis factor (ligand) superfamily, member 9
O22	Rn.137040	NM_001109668	Tollip	Toll interacting protein
O23	Rn.144004	NM_001011903	Tpst1	Tyrosylprotein sulfotransferase 1
O24	Rn.105232	NM_001107815	Traf2	Tnf receptor-associated factor 2
P01	Rn.220435	NM_001107754	Traf6	Tnf receptor-associated factor 6
P02	Rn.144695	NM_001039001	Trap1	TNF receptor-associated protein 1
P03	Rn.199561	NM_001065955	Tin	Titin
P04	Rn.219088	NM_001012122	Tymp	Thymidine phosphorylase
P05	Rn.1923	NM_031836	Vegfa	Vascular endothelial growth factor A
P06	Rn.198550	NM_053549	Vegfb	Vascular endothelial growth factor B
P07	Rn.9316	NM_172072	Vps45	Vacuolar protein sorting 45 homolog (S. cerevisiae)
P08	Rn.90962	NM_134361	Xcl1	Chemokine (C motif) ligand 1
P09	Rn.127077	NM_001106871	Xcr1	Chemokine (C motif) receptor 1
P10	Rn.41002	NM_001025696	Yars	Tyrosyl-tRNA synthetase
P11	Rn.94978	NM_031144	Actb	Actin, beta
P12	Rn.1868	NM_012512	B2m	Beta-2 microglobulin
P13	Rn.47	NM_012583	Hprt1	Hypoxanthine phosphoribosyltransferase 1
P14	Rn.107896	NM_017025	Ldha	Lactate dehydrogenase A
P15	Rn.973	NM_001007604	Rplp1	Ribosomal protein, large, P1
P16	N/A	U26919	RGDC	Rat Genomic DNA Contamination
P17	N/A	U26919	RGDC	Rat Genomic DNA Contamination
P18	N/A	U26919	RGDC	Rat Genomic DNA Contamination
P19	N/A	SA_00104	RTC	Reverse Transcription Control
P20	N/A	SA_00104	RTC	Reverse Transcription Control
P21	N/A	SA_00104	RTC	Reverse Transcription Control
P22	N/A	SA_00103	PPC	Positive PCR Control
P23	N/A	SA_00103	PPC	Positive PCR Control
P24	N/A	SA_00103	PPC	Positive PCR Control

Related products

For optimal performance, RT² Profiler PCR Arrays should be used together with the RT² First Strand Kit for cDNA synthesis and RT² SYBR[®] Green qPCR Mastermixes for PCR.

Product	Contents	Cat. no.
RT ² First Strand Kit (12)	Enzymes and reagents for cDNA synthesis	330401
RT ² SYBR Green qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with real-time cyclers that do not require a reference dye, including: Bio-Rad model CFX384; Roche LightCycler 480 (384-well); all other cyclers	330501
RT ² SYBR Green ROX [™] qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with the following real-time cyclers: Applied Biosystems models 7900HT, ViiA 7 (384-well blocks)	330521
RT ² SYBR Green Fluor qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with the following real-time cyclers: Bio-Rad models iCycler [®] , iQ [™] 5, MyiQ [™] , MyiQ2	330511

* Larger kit sizes available; please inquire.

RT² Profiler PCR Array products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Trademarks: QIAGEN[®](QIAGEN Group); Applied Biosystems[®], ViiA[™], ROX[™] (Applied Biosystems Corporation or its subsidiaries); Bio-Rad[®], CFX384[™], iQ[™], MyiQ[™]. iCycler[®] (Bio-Rad Laboratories, Inc.); Roche[®], LightCycler[®] (Roche Group); SYBR[®](Molecular Probes, Inc.). 1067687 03/2011 © 2011 QIAGEN, all rights reserved.

www.qiagen.com

Canada ■ 800-572-9613

China ■ 8621-3865-3865

Denmark ■ 80-885945

Finland ■ 0800-914416

France ■ 01-60-920-930

Germany ■ 02103-29-12000

Hong Kong ■ 800 933 965

Ireland ■ 1800 555 049

Italy ■ 800-787980

Japan ■ 03-6890-7300

Korea (South) ■ 080-000-7145

Luxembourg ■ 8002 2076

Mexico ■ 01-800-7742-436

The Netherlands ■ 0800 0229592

Norway ■ 800-18859

Singapore ■ 1800-742-4368

Spain ■ 91-630-7050

Sweden ■ 020-790282

Switzerland ■ 055-254-22-11

UK ■ 01293-422-911

USA ■ 800-426-8157

Australia ■ 1-800-243-800

Austria ■ 0800/281010

Belgium ■ 0800-79612

Brazil ■ 0800-557779



Sample & Assay Technologies