

RT² Profiler PCR Array (384-Well Format)

Human Inflammatory Response & Autoimmunity

Cat. no. 330231 PAHS-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 Human Inflammatory Response & Autoimmunity RT² Profiler PCR Array profiles the expression of 370 key genes involved in immune response 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	Hs.77867	NM_000674	ADORA1	Adenosine A1 receptor
A02	Hs.324746	NM_001622	AHSG	Alpha-2-HS-glycoprotein
A03	Hs.76364	NM_001623	AIF1	Allograft inflammatory factor 1
A04	Hs.591680	NM_004757	AIMP1	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
A05	Hs.507080	NM_001639	APCS	Amyloid P component, serum
A06	Hs.237658	NM_001643	APOA2	Apolipoprotein A-II
A07	Hs.474740	NM_030882	APOL2	Apolipoprotein L, 2
A08	Hs.474737	NM_145640	APOL3	Apolipoprotein L, 3
A09	Hs.270833	NM_001657	AREG	Amphiregulin
A10	Hs.72885	NM_001700	AZU1	Azurocidin 1
A11	Hs.478588	NM_001706	BCL6	B-cell CLL/lymphoma 6
A12	Hs.665244	NM_013314	BLNK	B-cell linker
A13	Hs.1274	NM_006129	BMP1	Bone morphogenetic protein 1
A14	Hs.73853	NM_001200	BMP2	Bone morphogenetic protein 2
A15	Hs.387411	NM_001201	BMP3	Bone morphogenetic protein 3
A16	Hs.473163	NM_001719	BMP7	Bone morphogenetic protein 7
A17	Hs.529053	NM_000064	C3	Complement component 3
A18	Hs.591148	NM_004054	C3AR1	Complement component 3a receptor 1
A19	Hs.56279	NM_021571	CARD18	Caspase recruitment domain family, member 18
A20	Hs.440961	NM_001042440	CAST	Calpastatin
A21	Hs.72918	NM_002981	CCL1	Chemokine (C-C motif) ligand 1
A22	Hs.54460	NM_002986	CCL11	Chemokine (C-C motif) ligand 11
A23	Hs.414629	NM_005408	CCL13	Chemokine (C-C motif) ligand 13
A24	Hs.10458	NM_004590	CCL16	Chemokine (C-C motif) ligand 16
B01	Hs.546294	NM_002987	CCL17	Chemokine (C-C motif) ligand 17
B02	Hs.143961	NM_002988	CCL18	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
B03	Hs.50002	NM_006274	CCL19	Chemokine (C-C motif) ligand 19
B04	Hs.303649	NM_002982	CCL2	Chemokine (C-C motif) ligand 2
B05	Hs.75498	NM_004591	CCL20	Chemokine (C-C motif) ligand 20
B06	Hs.57907	NM_002989	CCL21	Chemokine (C-C motif) ligand 21
B07	Hs.534347	NM_002990	CCL22	Chemokine (C-C motif) ligand 22
B08	Hs.169191	NM_005064	CCL23	Chemokine (C-C motif) ligand 23
B09	Hs.247838	NM_002991	CCL24	Chemokine (C-C motif) ligand 24
B10	Hs.310511	NM_005624	CCL25	Chemokine (C-C motif) ligand 25
B11	Hs.131342	NM_006072	CCL26	Chemokine (C-C motif) ligand 26
B12	Hs.648124	NM_006664	CCL27	Chemokine (C-C motif) ligand 27
B13	Hs.656904	NM_148672	CCL28	Chemokine (C-C motif) ligand 28
B14	Hs.514107	NM_002983	CCL3	Chemokine (C-C motif) ligand 3
B15	Hs.75703	NM_002984	CCL4	Chemokine (C-C motif) ligand 4
B16	Hs.514821	NM_002985	CCL5	Chemokine (C-C motif) ligand 5
B17	Hs.251526	NM_006273	CCL7	Chemokine (C-C motif) ligand 7
B18	Hs.271387	NM_005623	CCL8	Chemokine (C-C motif) ligand 8
B19	Hs.301921	NM_001295	CCR1	Chemokine (C-C motif) receptor 1
B20	Hs.278446	NM_016602	CCR10	Chemokine (C-C motif) receptor 10
B21	Hs.511794	NM_001123396	CCR2	Chemokine (C-C motif) receptor 2
B22	Hs.506190	NM_001837	CCR3	Chemokine (C-C motif) receptor 3
B23	Hs.184926	NM_005508	CCR4	Chemokine (C-C motif) receptor 4
B24	Hs.450802	NM_000579	CCR5	Chemokine (C-C motif) receptor 5
C01	Hs.46468	NM_004367	CCR6	Chemokine (C-C motif) receptor 6
C02	Hs.370036	NM_001838	CCR7	Chemokine (C-C motif) receptor 7

Position	UniGene	GenBank	Symbol	Description
C03	Hs.113222	NM_005201	CCR8	Chemokine (C-C motif) receptor 8
C04	Hs.225946	NM_006641	CCR9	Chemokine (C-C motif) receptor 9
C05	Hs.729361	NM_016557	CCRL1	Chemokine (C-C motif) receptor-like 1
C06	Hs.535713	NM_003965	CCRL2	Chemokine (C-C motif) receptor-like 2
C07	Hs.163867	NM_000591	CD14	CD14 molecule
C08	Hs.87205	NM_005582	CD180	CD180 molecule
C09	Hs.355307	NM_001242	CD27	CD27 molecule
C10	Hs.591629	NM_006139	CD28	CD28 molecule
C11	Hs.631659	NM_000616	CD4	CD4 molecule
C12	Hs.472860	NM_001250	CD40	CD40 molecule, TNF receptor superfamily member 5
C13	Hs.592244	NM_000074	CD40LG	CD40 ligand
C14	Hs.501497	NM_001252	CD70	CD70 molecule
C15	Hs.436568	NM_004355	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain
C16	Hs.171182	NM_006889	CD86	CD86 molecule
C17	Hs.466039	NM_001784	CD97	CD97 molecule
C18	Hs.517106	NM_005194	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta
C19	Hs.15159	NM_181641	CKLF	Chemokine-like factor
C20	Hs.889	NM_001828	CLC	Charcot-Leyden crystal protein
C21	Hs.549232	NM_181269	CMTM1	CKLF-like MARVEL transmembrane domain containing 1
C22	Hs.195685	NM_144673	CMTM2	CKLF-like MARVEL transmembrane domain containing 2
C23	Hs.129966	NM_001842	CNTFR	Ciliary neurotrophic factor receptor
C24	Hs.709456	NM_000567	CRP	C-reactive protein, pentraxin-related
D01	Hs.591402	NM_000757	CSF1	Colony stimulating factor 1 (macrophage)
D02	Hs.1349	NM_000758	CSF2	Colony stimulating factor 2 (granulocyte-macrophage)
D03	Hs.520937	NM_006140	CSF2RA	Colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
D04	Hs.592192	NM_000395	CSF2RB	Colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
D05	Hs.2233	NM_000759	CSF3	Colony stimulating factor 3 (granulocyte)
D06	Hs.524517	NM_000760	CSF3R	Colony stimulating factor 3 receptor (granulocyte)
D07	Hs.483811	NM_001330	CTF1	Cardiotrophin 1
D08	Hs.531668	NM_002996	CX3CL1	Chemokine (C-X3-C motif) ligand 1
D09	Hs.78913	NM_001337	CX3CR1	Chemokine (C-X3-C motif) receptor 1
D10	Hs.789	NM_001511	CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
D11	Hs.632586	NM_001565	CXCL10	Chemokine (C-X-C motif) ligand 10
D12	Hs.632592	NM_005409	CXCL11	Chemokine (C-X-C motif) ligand 11
D13	Hs.522891	NM_000609	CXCL12	Chemokine (C-X-C motif) ligand 12
D14	Hs.100431	NM_006419	CXCL13	Chemokine (C-X-C motif) ligand 13
D15	Hs.483444	NM_004887	CXCL14	Chemokine (C-X-C motif) ligand 14
D16	Hs.708201	NM_022059	CXCL16	Chemokine (C-X-C motif) ligand 16
D17	Hs.590921	NM_002089	CXCL2	Chemokine (C-X-C motif) ligand 2
D18	Hs.89690	NM_002090	CXCL3	Chemokine (C-X-C motif) ligand 3
D19	Hs.89714	NM_002994	CXCL5	Chemokine (C-X-C motif) ligand 5
D20	Hs.164021	NM_002993	CXCL6	Chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)
D21	Hs.77367	NM_002416	CXCL9	Chemokine (C-X-C motif) ligand 9
D22	Hs.194778	NM_000634	CXCR1	Chemokine (C-X-C motif) receptor 1
D23	Hs.846	NM_001557	CXCR2	Chemokine (C-X-C motif) receptor 2
D24	Hs.198252	NM_001504	CXCR3	Chemokine (C-X-C motif) receptor 3
E01	Hs.593413	NM_003467	CXCR4	Chemokine (C-X-C motif) receptor 4
E02	Hs.113916	NM_001716	CXCR5	Chemokine (C-X-C motif) receptor 5
E03	Hs.34526	NM_006564	CXCR6	Chemokine (C-X-C motif) receptor 6
E04	Hs.292356	NM_000397	CYBB	Cytochrome b-245, beta polypeptide
E05	Hs.91546	NM_019885	CYP26B1	Cytochrome P450, family 26, subfamily B, polypeptide 1
E06	Hs.586174	NM_004946	DOCK2	Dedicator of cytokinesis 2
E07	Hs.501452	NM_005755	EBI3	Epstein-Barr virus induced 3
E08	Hs.105407	NM_001399	EDA	Ectodysplasin A
E09	Hs.212088	NM_001979	EPHX2	Epoxide hydrolase 2, cytoplasmic
E10	Hs.2303	NM_000799	EPO	Erythropoietin
E11	Hs.631624	NM_000121	EPOR	Erythropoietin receptor
E12	Hs.446352	NM_004448	ERBB2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
E13	Hs.591774	NM_018695	ERBB2IP	ErbB2 interacting protein
E14	Hs.517293	NM_016946	F11R	F11 receptor
E15	Hs.655207	NM_000506	F2	Coagulation factor II (thrombin)
E16	Hs.62192	NM_001993	F3	Coagulation factor III (thromboplastin, tissue factor)
E17	Hs.654450	NM_000132	F8	Coagulation factor VIII, procoagulant component
E18	Hs.2007	NM_000639	FASLG	Fas ligand (TNF superfamily, member 6)
E19	Hs.483635	NM_000800	FGF1	Fibroblast growth factor 1 (acidic)
E20	Hs.664499	NM_004465	FGF10	Fibroblast growth factor 10
E21	Hs.584758	NM_021032	FGF12	Fibroblast growth factor 12
E22	Hs.284244	NM_002006	FGF2	Fibroblast growth factor 2 (basic)
E23	Hs.567268	NM_002009	FGF7	Fibroblast growth factor 7

Position	UniGene	GenBank	Symbol	Description
E24	Hs.11392	NM_004469	FIGF	C-fos induced growth factor (vascular endothelial growth factor D)
F01	Hs.428	NM_001459	FLT3LG	Fms-related tyrosine kinase 3 ligand
F02	Hs.203717	NM_002026	FN1	Fibronectin 1
F03	Hs.728789	NM_005252	FOS	FBJ murine osteosarcoma viral oncogene homolog
F04	Hs.753	NM_002029	FPR1	Formyl peptide receptor 1
F05	Hs.279463	NM_016204	GDF2	Growth differentiation factor 2
F06	Hs.86232	NM_020634	GDF3	Growth differentiation factor 3
F07	Hs.1573	NM_000557	GDF5	Growth differentiation factor 5
F08	Hs.492277	NM_001001557	GDF6	Growth differentiation factor 6
F09	Hs.25022	NM_005260	GDF9	Growth differentiation factor 9
F10	Hs.388347	NM_005264	GFRA1	GDNF family receptor alpha 1
F11	Hs.441202	NM_001495	GFRA2	GDNF family receptor alpha 2
F12	Hs.125180	NM_000163	GHR	Growth hormone receptor
F13	Hs.49105	NM_053274	GLMN	Glomulin, FKBP associated protein
F14	Hs.466471	NM_000175	GPI	Glucose-6-phosphate isomerase
F15	Hs.8882	NM_003485	GPR68	G protein-coupled receptor 68
F16	Hs.40098	NM_013372	GREM1	Gremlin 1
F17	Hs.98206	NM_022469	GREM2	Gremlin 2
F18	Hs.514220	NM_002087	GRN	Granulin
F19	Hs.20516	NM_006037	HDAC4	Histone deacetylase 4
F20	Hs.438782	NM_005474	HDAC5	Histone deacetylase 5
F21	Hs.200063	NM_001098416	HDAC7	Histone deacetylase 7
F22	Hs.196054	NM_178425	HDAC9	Histone deacetylase 9
F23	Hs.1570	NM_000861	HRH1	Histamine receptor H1
F24	Hs.37026	NM_024013	IFNA1	Interferon, alpha 1
G01	Hs.93907	NM_002172	IFNA14	Interferon, alpha 14
G02	Hs.211575	NM_000605	IFNA2	Interferon, alpha 2
G03	Hs.1510	NM_021068	IFNA4	Interferon, alpha 4
G04	Hs.73890	NM_002170	IFNA8	Interferon, alpha 8
G05	Hs.529400	NM_000629	IFNAR1	Interferon (alpha, beta and omega) receptor 1
G06	Hs.708195	NM_000874	IFNAR2	Interferon (alpha, beta and omega) receptor 2
G07	Hs.93177	NM_002176	IFNB1	Interferon, beta 1, fibroblast
G08	Hs.682604	NM_176891	IFNE	Interferon, epsilon
G09	Hs.856	NM_000619	IFNG	Interferon, gamma
G10	Hs.520414	NM_000416	IFNGR1	Interferon gamma receptor 1
G11	Hs.634632	NM_005534	IFNGR2	Interferon gamma receptor 2 (interferon gamma transducer 1)
G12	Hs.591083	NM_020124	IFNK	Interferon, kappa
G13	Hs.73010	NM_002177	IFNW1	Interferon, omega 1
G14	Hs.458096	XM_378052	IFNWP2	Interferon, omega 1 pseudogene 2
G15	Hs.421245	NM_006083	IK	IK cytokine, down-regulator of HLA II
G16	Hs.193717	NM_000572	IL10	Interleukin 10
G17	Hs.504035	NM_001558	IL10RA	Interleukin 10 receptor, alpha
G18	Hs.654593	NM_000628	IL10RB	Interleukin 10 receptor, beta
G19	Hs.467304	NM_000641	IL11	Interleukin 11
G20	Hs.591088	NM_004512	IL11RA	Interleukin 11 receptor, alpha
G21	Hs.673	NM_000882	IL12A	Interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)
G22	Hs.674	NM_002187	IL12B	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
G23	Hs.567294	NM_005535	IL12RB1	Interleukin 12 receptor, beta 1
G24	Hs.479347	NM_001559	IL12RB2	Interleukin 12 receptor, beta 2
H01	Hs.845	NM_002188	IL13	Interleukin 13
H02	Hs.496646	NM_001560	IL13RA1	Interleukin 13 receptor, alpha 1
H03	Hs.336046	NM_000640	IL13RA2	Interleukin 13 receptor, alpha 2
H04	Hs.654378	NM_000585	IL15	Interleukin 15
H05	Hs.524117	NM_002189	IL15RA	Interleukin 15 receptor, alpha
H06	Hs.459095	NM_004513	IL16	Interleukin 16
H07	Hs.41724	NM_002190	IL17A	Interleukin 17A
H08	Hs.156979	NM_014443	IL17B	Interleukin 17B
H09	Hs.278911	NM_013278	IL17C	Interleukin 17C
H10	Hs.655142	NM_138284	IL17D	Interleukin 17D
H11	Hs.272295	NM_052872	IL17F	Interleukin 17F
H12	Hs.129751	NM_014339	IL17RA	Interleukin 17 receptor A
H13	Hs.654970	NM_018725	IL17RB	Interleukin 17 receptor B
H14	Hs.83077	NM_001562	IL18	Interleukin 18 (interferon-gamma-inducing factor)
H15	Hs.469521	NM_003855	IL18R1	Interleukin 18 receptor 1
H16	Hs.158315	NM_003853	IL18RAP	Interleukin 18 receptor accessory protein
H17	Hs.661017	NM_013371	IL19	Interleukin 19
H18	Hs.1722	NM_000575	IL1A	Interleukin 1, alpha
H19	Hs.126256	NM_000576	IL1B	Interleukin 1, beta
H20	Hs.306974	NM_173161	IL1F10	Interleukin 1 family, member 10 (theta)

Position	UniGene	GenBank	Symbol	Description
H21	Hs.701982	NM_000877	IL1R1	Interleukin 1 receptor, type I
H22	Hs.25333	NM_004633	IL1R2	Interleukin 1 receptor, type II
H23	Hs.478673	NM_002182	IL1RAP	Interleukin 1 receptor accessory protein
H24	Hs.675519	NM_017416	IL1RAPL2	Interleukin 1 receptor accessory protein-like 2
I01	Hs.66	NM_016232	IL1RL1	Interleukin 1 receptor-like 1
I02	Hs.659863	NM_003854	IL1RL2	Interleukin 1 receptor-like 2
I03	Hs.81134	NM_000577	IL1RN	Interleukin 1 receptor antagonist
I04	Hs.89679	NM_000586	IL2	Interleukin 2
I05	Hs.272373	NM_018724	IL20	Interleukin 20
I06	Hs.445868	NM_014432	IL20RA	Interleukin 20 receptor, alpha
I07	Hs.567559	NM_021803	IL21	Interleukin 21
I08	Hs.210546	NM_021798	IL21R	Interleukin 21 receptor
I09	Hs.287369	NM_020525	IL22	Interleukin 22
I10	Hs.110915	NM_021258	IL22RA1	Interleukin 22 receptor, alpha 1
I11	Hs.126891	NM_052962	IL22RA2	Interleukin 22 receptor, alpha 2
I12	Hs.98309	NM_016584	IL23A	Interleukin 23, alpha subunit p19
I13	Hs.677426	NM_144701	IL23R	Interleukin 23 receptor
I14	Hs.411311	NM_006850	IL24	Interleukin 24
I15	Hs.302036	NM_022789	IL25	Interleukin 25
I16	Hs.272350	NM_018402	IL26	Interleukin 26
I17	Hs.528111	NM_145659	IL27	Interleukin 27
I18	Hs.221375	NM_173065	IL28RA	Interleukin 28 receptor, alpha (interferon, lambda receptor)
I19	Hs.406745	NM_172140	IL29	Interleukin 29 (interferon, lambda 1)
I20	Hs.231367	NM_000417	IL2RA	Interleukin 2 receptor, alpha
I21	Hs.474787	NM_000878	IL2RB	Interleukin 2 receptor, beta
I22	Hs.84	NM_000206	IL2RG	Interleukin 2 receptor, gamma
I23	Hs.694	NM_000588	IL3	Interleukin 3 (colony-stimulating factor, multiple)
I24	Hs.55378	NM_139017	IL31RA	Interleukin 31 receptor A
J01	Hs.943	NM_004221	IL32	Interleukin 32
J02	Hs.278910	NM_014440	IL36A	Interleukin 36, alpha
J03	Hs.278909	NM_173178	IL36B	Interleukin 36, beta
J04	Hs.211238	NM_019618	IL36G	Interleukin 36, gamma
J05	Hs.516301	NM_012275	IL36RN	Interleukin 36 receptor antagonist
J06	Hs.166371	NM_173205	IL37	Interleukin 37
J07	Hs.632790	NM_002183	IL3RA	Interleukin 3 receptor, alpha (low affinity)
J08	Hs.73917	NM_000589	IL4	Interleukin 4
J09	Hs.513457	NM_000418	IL4R	Interleukin 4 receptor
J10	Hs.2247	NM_000879	IL5	Interleukin 5 (colony-stimulating factor, eosinophil)
J11	Hs.68876	NM_000564	IL5RA	Interleukin 5 receptor, alpha
J12	Hs.654458	NM_000600	IL6	Interleukin 6 (interferon, beta 2)
J13	Hs.709210	NM_000565	IL6R	Interleukin 6 receptor
J14	Hs.532082	NM_002184	IL6ST	Interleukin 6 signal transducer (gp130, oncostatin M receptor)
J15	Hs.591873	NM_000880	IL7	Interleukin 7
J16	Hs.591742	NM_002185	IL7R	Interleukin 7 receptor
J17	Hs.624	NM_000584	IL8	Interleukin 8
J18	Hs.960	NM_000590	IL9	Interleukin 9
J19	Hs.406228	NM_002186	IL9R	Interleukin 9 receptor
J20	Hs.407506	NM_002191	INHHA	Inhibin, alpha
J21	Hs.583348	NM_002192	INHBA	Inhibin, beta A
J22	Hs.1735	NM_002193	INHBB	Inhibin, beta B
J23	Hs.654579	NM_000207	INS	Insulin
J24	Hs.401013	NM_002460	IRF4	Interferon regulatory factor 4
K01	Hs.166120	NM_001572	IRF7	Interferon regulatory factor 7
K02	Hs.375957	NM_000211	ITGB2	Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
K03	Hs.518000	NM_002218	ITIH4	Inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)
K04	Hs.1048	NM_003994	KITLG	KIT ligand
K05	Hs.77741	NM_000893	KNG1	Kininogen 1
K06	Hs.154078	NM_004139	LBP	Lipopolysaccharide binding protein
K07	Hs.656214	NM_020997	LEFTY1	Left-right determination factor 1
K08	Hs.520187	NM_003240	LEFTY2	Left-right determination factor 2
K09	Hs.705413	NM_002303	LEPR	Leptin receptor
K10	Hs.2250	NM_002309	LIF	Leukemia inhibitory factor (cholinergic differentiation factor)
K11	Hs.133421	NM_002310	LIFR	Leukemia inhibitory factor receptor alpha
K12	Hs.36	NM_000595	LTA	Lymphotoxin alpha (TNF superfamily, member 1)
K13	Hs.376208	NM_002341	LTB	Lymphotoxin beta (TNF superfamily, member 3)
K14	Hs.655431	NM_181657	LTB4R	Leukotriene B4 receptor
K15	Hs.153563	NM_002349	LY75	Lymphocyte antigen 75
K16	Hs.653138	NM_004271	LY86	Lymphocyte antigen 86
K17	Hs.660766	NM_015364	LY96	Lymphocyte antigen 96
K18	Hs.82045	NM_002391	MDK	Midkine (neurite growth-promoting factor 2)
K19	Hs.632221	NM_000243	MEFV	Mediterranean fever

Position	UniGene	GenBank	Symbol	Description
K20	Hs.277035	NM_007283	MGLL	Monoglyceride lipase
K21	Hs.407995	NM_002415	MIF	Macrophage migration inhibitory factor (glycosylation-inhibiting factor)
K22	Hs.654979	NM_022468	MMP25	Matrix metalloproteinase 25
K23	Hs.82906	NM_005373	MPL	Myeloproliferative leukemia virus oncogene
K24	Hs.41565	NM_005259	MSTN	Myostatin
L01	Hs.369646	NM_004532	MUC4	Mucin 4, cell surface associated
L02	Hs.82116	NM_002468	MYD88	Myeloid differentiation primary response gene (88)
L03	Hs.489615	NM_005746	NAMPT	Nicotinamide phosphoribosyltransferase
L04	Hs.509513	NM_147130	NCR3	Natural cytotoxicity triggering receptor 3
L05	Hs.436677	NM_145912	NFAM1	NFAT activating protein with ITAM motif 1
L06	Hs.632209	NM_004555	NFATC3	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
L07	Hs.77810	NM_004554	NFATC4	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
L08	Hs.514284	NM_003204	NFE2L1	Nuclear factor (erythroid-derived 2)-like 1
L09	Hs.654408	NM_003998	NFKB1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
L10	Hs.530539	NM_006165	NFRKB	Nuclear factor related to kappaB binding protein
L11	Hs.413074	NM_002504	NFX1	Nuclear transcription factor, X-box binding 1
L12	Hs.631573	NM_033297	NLRP12	NLR family, pyrin domain containing 12
L13	Hs.54483	NM_004688	NMI	N-myc (and STAT) interactor
L14	Hs.370414	NM_018055	NODAL	Nodal homolog (mouse)
L15	Hs.709191	NM_000625	NOS2	Nitric oxide synthase 2, inducible
L16	Hs.657932	NM_024505	NOX5	NADPH oxidase, EF-hand calcium binding domain 5
L17	Hs.122926	NM_000176	NR3C1	Nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
L18	Hs.412484	NM_002543	OLR1	Oxidized low density lipoprotein (lectin-like) receptor 1
L19	Hs.248156	NM_020530	OSM	Oncostatin M
L20	Hs.120658	NM_003999	OSMR	Oncostatin M receptor
L21	Hs.718412	NM_006437	PARP4	Poly (ADP-ribose) polymerase family, member 4
L22	Hs.535898	NM_002607	PDGFA	Platelet-derived growth factor alpha polypeptide
L23	Hs.1976	NM_002608	PDGFB	Platelet-derived growth factor beta polypeptide
L24	Hs.72933	NM_002620	PF4V1	Platelet factor 4 variant 1
M01	Hs.137583	NM_005091	PGLYRP1	Peptidoglycan recognition protein 1
M02	Hs.189507	NM_012400	PLA2G2D	Phospholipase A2, group IID
M03	Hs.584823	NM_005084	PLA2G7	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
M04	Hs.2164	NM_002704	PPBP	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
M05	Hs.502823	NM_181652	PRDX5	Peroxiredoxin 5
M06	Hs.153310	NM_020820	PREX1	Phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1
M07	Hs.512633	NM_002728	PRG2	Proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
M08	Hs.251386	NM_006093	PRG3	Proteoglycan 3
M09	Hs.1905	NM_000948	PRL	Prolactin
M10	Hs.368587	NM_000949	PRLR	Prolactin receptor
M11	Hs.647450	NM_006404	PROCR	Protein C receptor, endothelial
M12	Hs.528665	NM_021935	PROK2	Prokineticin 2
M13	Hs.709174	NM_000952	PTAFR	Platelet-activating factor receptor
M14	Hs.196384	NM_000963	PTGS2	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
M15	Hs.371249	NM_002825	PTN	Pleiotrophin
M16	Hs.269577	NM_002836	PTPRA	Protein tyrosine phosphatase, receptor type, A
M17	Hs.591286	NM_002852	PTX3	Pentraxin 3, long
M18	Hs.430299	NM_018663	PXMP2	Peroxisomal membrane protein 2, 22kDa
M19	Hs.567312	NM_002580	REG3A	Regenerating islet-derived 3 alpha
M20	Hs.447084	NM_198448	REG3G	Regenerating islet-derived 3 gamma
M21	Hs.103755	NM_003821	RIPK2	Receptor-interacting serine-threonine kinase 2
M22	Hs.19413	NM_005621	S100A12	S100 calcium binding protein A12
M23	Hs.416073	NM_002964	S100A8	S100 calcium binding protein A8
M24	Hs.422181	NM_006272	S100B	S100 calcium binding protein B
N01	Hs.654493	NM_006512	SAA4	Serum amyloid A4, constitutive
N02	Hs.133995	NM_173050	SCUBE1	Signal peptide, CUB domain, EGF-like 1
N03	Hs.200804	NM_005625	SDCBP	Syndecan binding protein (syntenin)
N04	Hs.558009	NM_003004	SECTM1	Secreted and transmembrane 1
N05	Hs.89546	NM_000450	SELE	Selectin E
N06	Hs.525557	NM_000295	SERPINA1	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
N07	Hs.534293	NM_001085	SERPINA3	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
N08	Hs.159509	NM_000934	SERPINF2	Serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
N09	Hs.253495	NM_003019	SFTPD	Surfactant protein D
N10	Hs.501624	NM_021805	SIGIRR	Single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
N11	Hs.31869	NM_023068	SIGLEC1	Sialic acid binding Ig-like lectin 1, sialoadhesin
N12	Hs.46440	NM_021094	SLCO1A2	Solute carrier organic anion transporter family, member 1A2
N13	Hs.103505	NM_020427	SLURP1	Secreted LY6/PLAUR domain containing 1

Position	UniGene	GenBank	Symbol	Description
N14	Hs.485572	NM_003877	SOCS2	Suppressor of cytokine signaling 2
N15	Hs.434112	NM_173847	SPACA3	Sperm acrosome associated 3
N16	Hs.313	NM_000582	SPP1	Secreted phosphoprotein 1
N17	Hs.525781	NM_152594	SPRED1	Sprouty-related, EVH1 domain containing 1
N18	Hs.450763	NM_020762	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1
N19	Hs.301989	NM_015136	STAB1	Stabilin 1
N20	Hs.463059	NM_003150	STAT3	Signal transducer and activator of transcription 3 (acute-phase response factor)
N21	Hs.371720	NM_003177	SYK	Spleen tyrosine kinase
N22	Hs.633301	NM_001058	TACR1	Tachykinin receptor 1
N23	Hs.1166	NM_000460	THPO	Thrombopoietin
N24	Hs.537126	NM_001039661	TIRAP	Toll-interleukin 1 receptor (TIR) domain containing adaptor protein
O01	Hs.654532	NM_003263	TLR1	Toll-like receptor 1
O02	Hs.120551	NM_030956	TLR10	Toll-like receptor 10
O03	Hs.519033	NM_003264	TLR2	Toll-like receptor 2
O04	Hs.657724	NM_003265	TLR3	Toll-like receptor 3
O05	Hs.174312	NM_138554	TLR4	Toll-like receptor 4
O06	Hs.604542	NM_003268	TLR5	Toll-like receptor 5
O07	Hs.662185	NM_006068	TLR6	Toll-like receptor 6
O08	Hs.659215	NM_016562	TLR7	Toll-like receptor 7
O09	Hs.660543	NM_138636	TLR8	Toll-like receptor 8
O10	Hs.87968	NM_017442	TLR9	Toll-like receptor 9
O11	Hs.241570	NM_000594	TNF	Tumor necrosis factor
O12	Hs.437322	NM_007115	TNFAIP6	Tumor necrosis factor, alpha-induced protein 6
O13	Hs.81791	NM_002546	TNFRSF11B	Tumor necrosis factor receptor superfamily, member 11b
O14	Hs.478275	NM_003810	TNFSF10	Tumor necrosis factor (ligand) superfamily, member 10
O15	Hs.333791	NM_003701	TNFSF11	Tumor necrosis factor (ligand) superfamily, member 11
O16	Hs.54673	NM_003808	TNFSF13	Tumor necrosis factor (ligand) superfamily, member 13
O17	Hs.525157	NM_006573	TNFSF13B	Tumor necrosis factor (ligand) superfamily, member 13b
O18	Hs.129708	NM_003807	TNFSF14	Tumor necrosis factor (ligand) superfamily, member 14
O19	Hs.241382	NM_005118	TNFSF15	Tumor necrosis factor (ligand) superfamily, member 15
O20	Hs.248197	NM_005092	TNFSF18	Tumor necrosis factor (ligand) superfamily, member 18
O21	Hs.181097	NM_003326	TNFSF4	Tumor necrosis factor (ligand) superfamily, member 4
O22	Hs.654445	NM_001244	TNFSF8	Tumor necrosis factor (ligand) superfamily, member 8
O23	Hs.1524	NM_003811	TNFSF9	Tumor necrosis factor (ligand) superfamily, member 9
O24	Hs.368527	NM_019009	TOLLIP	Toll interacting protein
P01	Hs.421194	NM_003596	TPST1	Tyrosylprotein sulfotransferase 1
P02	Hs.30345	NM_016292	TRAP1	TNF receptor-associated protein 1
P03	Hs.134602	NM_003319	TTN	Titin
P04	Hs.592212	NM_001953	TYMP	Thymidine phosphorylase
P05	Hs.73793	NM_003376	VEGFA	Vascular endothelial growth factor A
P06	Hs.78781	NM_003377	VEGFB	Vascular endothelial growth factor B
P07	Hs.443750	NM_007259	VPS45	Vacuolar protein sorting 45 homolog (<i>S. cerevisiae</i>)
P08	Hs.546295	NM_002995	XCL1	Chemokine (C motif) ligand 1
P09	Hs.248116	NM_005283	XCR1	Chemokine (C motif) receptor 1
P10	Hs.706890	NM_003680	YARS	Tyrosyl-tRNA synthetase
P11	Hs.520640	NM_001101	ACTB	Actin, beta
P12	Hs.534255	NM_004048	B2M	Beta-2-microglobulin
P13	Hs.592355	NM_002046	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
P14	Hs.412707	NM_000194	HPRT1	Hypoxanthine phosphoribosyltransferase 1
P15	Hs.546285	NM_001002	RPLP0	Ribosomal protein, large, P0
P16	N/A	SA_00105	HGDC	Human Genomic DNA Contamination
P17	N/A	SA_00105	HGDC	Human Genomic DNA Contamination
P18	N/A	SA_00105	HGDC	Human 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

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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

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