

QuantiNova® LNA® Probe PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

Rat Inflammatory Response & Autoimmunity

Cat. no. 249955 UPRN-077ZA

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA Probe PCR Focus Panels are shipped at room temperature. Immediately upon receipt, they should be stored protected from light at 2–8°C for short term storage or at –30°C to –15°C for long time storage. Under these conditions, all components are stable for at least 12 months.

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

For optimal performance, QuantiNova LNA Probe PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova Probe PCR Kit (Mastermix) for PCR.

Panel layout (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. Refer to the QuantiNova LNA Probe PCR Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Bcl6	C3	C3ar1	C4a	Ccl1	Ccl11	Ccl12	Ccl17	Ccl19	Ccl2	Ccl20	Ccl21
B	Ccl22	Ccl24	Ccl25	Ccl3	Ccl4	Ccl5	Ccl6	Ccl7	Ccr1	Ccr5	Ccr3	Ccr4
C	Ccr7	Cd14	Cd40	Cd40lg	Cebpb	Crp	Csf1	Cxcl1	Cxcl10	Cxcl11	Cxcl2	Cxcl3
D	Cxcl6	Cxcl9	Cxcr2	Cxcr4	Foslg	Fos	Ifng	Il10	Il10rb	Il17a	Il18	Il1a
E	Il1b	Il1r1	Il1rap	Il1rn	Il22	Il23a	Il23r	Il5	Il6	Il6r	Il7	Cxcr1
F	Il9	Ilgb2	Il15	Lta	LOC1036943 81	Selp	Myd88	NfkB1	Nos2	AABR0703175 6.1	Plgs2	Ripk2
G	Sele	Tirap	Tlr1	Tlr2	Tlr3	Tlr4	Tlr5	Tlr6	Tlr7	LOC1036943 80	Tnfrsf14	Tollip
H	Actb	B2m	Hprt1	Ldha	Rplp1	RGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFR1043878	ENSRNOT0000002522.4	Bcl6	ENSRNOG0000001843	BCL6, transcription repressor Source RGD Symbol Acc 1309345
A02	UPFR1069924	ENSRNOT00000075494.1	C3	ENSRNOG00000046834	complement C3 Source RGD Symbol Acc 2232
A03	UPFR1099740	ENSRNOT00000012216.3	C3ar1	ENSRNOG00000092111	complement C3a receptor 1 Source RGD Symbol Acc 620537
A04	UPFR1033991	ENSRNOT00000072377.2	C4a	ENSRNOG00000047657	complement C4A Source RGD Symbol Acc 620005
A05	UPFR1032143	ENSRNOT00000031360.3	Ccl1	ENSRNOG00000021851	C-C motif chemokine ligand 1 Source RGD Symbol Acc 1586495
A06	UPFR1034165	ENSRNOT00000009756.5	Ccl11	ENSRNOG0000007335	C-C motif chemokine ligand 11 Source RGD Symbol Acc 3644
A07	UPFR1080637	ENSRNOT00000031626.5	Ccl12	ENSRNOG00000029768	chemokine (C-C motif) ligand 12 Source RGD Symbol Acc 1309255
A08	UPFR1085781	ENSRNOT00000021842.2	Ccl17	ENSRNOG00000016278	C-C motif chemokine ligand 17 Source RGD Symbol Acc 619924
A09	UPFR1074099	ENSRNOT00000020982.5	Ccl19	ENSRNOG00000015668	C-C motif chemokine ligand 19 Source RGD Symbol Acc 1310336
A10	UPFR1014050	ENSRNOT00000009448.3	Ccl2	ENSRNOG0000007159	C-C motif chemokine ligand 2 Source RGD Symbol Acc 3645
A11	UPFR1113129	ENSRNOT00000021730.3	Ccl20	ENSRNOG00000015992	C-C motif chemokine ligand 20 Source RGD Symbol Acc 3646
A12	UPFR1022549	ENSRNOT00000023951.6	Ccl21	ENSRNOG00000034290	C-C motif chemokine ligand 21 Source RGD Symbol Acc 1311996
B01	UPFR1070569	ENSRNOT00000022167.3	Ccl22	ENSRNOG00000016535	C-C motif chemokine ligand 22 Source RGD Symbol Acc 619933
B02	UPFR1058995	ENSRNOT00000045157.3	Ccl24	ENSRNOG00000031162	C-C motif chemokine ligand 24 Source RGD Symbol Acc 1310245
B03	UPFR1024058	ENSRNOT00000037059.4	Ccl25	ENSRNOG00000028531	C-C motif chemokine ligand 25 Source RGD Symbol Acc 1305530
B04	UPFR1057376	ENSRNOT00000015139.3	Ccl3	ENSRNOG0000001205	C-C motif chemokine ligand 3 Source RGD Symbol Acc 3647
B05	UPFR1110783	ENSRNOT00000015199.3	Ccl4	ENSRNOG00000011406	C-C motif chemokine ligand 4 Source RGD Symbol Acc 620441
B06	UPFR1019085	ENSRNOT00000014865.6	Ccl5	ENSRNOG00000010906	C-C motif chemokine ligand 5 Source RGD Symbol Acc 69069
B07	UPFR1024790	ENSRNOT00000045867.3	Ccl6	ENSRNOG00000030021	chemokine (C-C motif) ligand 6 Source RGD Symbol Acc 1303200
B08	UPFR1083626	ENSRNOT00000000256.4	Ccl7	ENSRNOG00000000239	C-C motif chemokine ligand 7 Source RGD Symbol Acc 1359152
B09	UPFR1018077	ENSRNOT00000008772.4	Ccr1	ENSRNOG00000006715	C-C motif chemokine receptor 1 Source RGD Symbol Acc 708446
B10	UPFR1023768	ENSRNOT00000082774.1	Ccr5	ENSRNOG00000049115	C-C motif chemokine receptor 5 Source RGD Symbol Acc 620596
B11	UPFR1051215	ENSRNOT00000008809.4	Ccr3	ENSRNOG00000006736	C-C motif chemokine receptor 3 Source RGD Symbol Acc 620593
B12	UPFR1083127	ENSRNOT00000013705.3	Ccr4	ENSRNOG00000010315	C-C motif chemokine receptor 4 Source RGD Symbol Acc 620594
C01	UPFR1029602	ENSRNOT00000014163.7	Ccr7	ENSRNOG00000010665	C-C motif chemokine receptor 7 Source RGD Symbol Acc 735151
C02	UPFR1097993	ENSRNOT00000023977.6	Cd14	ENSRNOG00000017819	CD14 molecule Source RGD Symbol Acc 620588
C03	UPFR1023025	ENSRNOT00000055148.4	Cd40	ENSRNOG00000018488	CD40 molecule Source RGD Symbol Acc 619830
C04	UPFR1038741	ENSRNOT00000001162.4	Cd40lg	ENSRNOG00000000871	CD40 ligand Source RGD Symbol Acc 708418
C05	UPFR1126579	ENSRNOT00000083876.1	Cebpb	ENSRNOG00000057347	CCAAT/enhancer binding protein beta Source RGD Symbol Acc 2327
C06	UPFR1072132	ENSRNOT00000000058.6	Crp	ENSRNOG00000000053	C-reactive protein Source RGD Symbol Acc 2411
C07	UPFR1022984	ENSRNOT00000081835.1	Csf1	ENSRNOG00000018659	colony stimulating factor 1 Source RGD Symbol Acc 621063
C08	UPFR1056296	ENSRNOT00000003778.3	Cxcl1	ENSRNOG00000002802	C-X-C motif chemokine ligand 1 Source RGD Symbol Acc 619869
C09	UPFR1049597	ENSRNOT00000003075.7	Cxcl10	ENSRNOG00000022256	C-X-C motif chemokine ligand 10 Source RGD Symbol Acc 620209
C10	UPFR1033909	ENSRNOT00000031667.4	Cxcl11	ENSRNOG00000022298	C-X-C motif chemokine ligand 11 Source RGD Symbol Acc 727827
		ENSRNOT000000		ENSRNOG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFR1121790	003745.6	Cxcl2	000002792	C-X-C motif chemokine ligand 2 Source RGD Symbol Acc 70069
C12	UPFR1076775	ENSRNOT00000034090.3	Cxcl3	ENSRNOG0000028043	chemokine (C-X-C motif) ligand 3 Source RGD Symbol Acc 621812
D01	UPFR1109014	ENSRNOT00000003823.3	Cxcl6	ENSRNOG0000002843	C-X-C motif chemokine ligand 6 Source RGD Symbol Acc 708540
D02	UPFR1089821	ENSRNOT00000003082.7	Cxcl9	ENSRNOG0000022242	C-X-C motif chemokine ligand 9 Source RGD Symbol Acc 628798
D03	UPFR1078568	ENSRNOT00000019109.2	Cxcr2	ENSRNOG0000014269	C-X-C motif chemokine receptor 2 Source RGD Symbol Acc 2906
D04	UPFR1030244	ENSRNOT00000005143.6	Cxcr4	ENSRNOG0000003866	C-X-C motif chemokine receptor 4 Source RGD Symbol Acc 620465
D05	UPFR1108356	ENSRNOT00000003998.2	Faslg	ENSRNOG0000002978	Fas ligand Source RGD Symbol Acc 3880
D06	UPFR1045359	ENSRNOT00000010712.3	Fos	ENSRNOG0000008015	Fos proto-oncogene, AP-1 transcription factor subunit Source RGD Symbol Acc 2626
D07	UPFR1084134	ENSRNOT00000009919.2	Ifng	ENSRNOG0000007468	interferon gamma Source RGD Symbol Acc 2866
D08	UPFR1113235	ENSRNOT00000006246.5	Il10	ENSRNOG0000004647	interleukin 10 Source RGD Symbol Acc 2886
D09	UPFR1093831	ENSRNOT000000061345.3	Il10rb	ENSRNOG0000028638	interleukin 10 receptor subunit beta Source RGD Symbol Acc 1560373
D10	UPFR1062668	ENSRNOT00000016664.4	Il17a	ENSRNOG0000012467	interleukin 17A Source RGD Symbol Acc 2888
D11	UPFR1053861	ENSRNOT00000013093.6	Il18	ENSRNOG0000009848	interleukin 18 Source RGD Symbol Acc 2889
D12	UPFR1066959	ENSRNOT000000080818.1	Il1a	ENSRNOG0000004575	interleukin 1 alpha Source RGD Symbol Acc 2890
E01	UPFR1121351	ENSRNOT00000006308.4	Il1b	ENSRNOG0000004649	interleukin 1 beta Source RGD Symbol Acc 2891
E02	UPFR1025024	ENSRNOT000000082146.1	Il1r1	ENSRNOG0000014504	interleukin 1 receptor type 1 Source RGD Symbol Acc 2892
E03	UPFR1059423	ENSRNOT00000002645.4	Il1rap	ENSRNOG0000001928	interleukin 1 receptor accessory protein Source RGD Symbol Acc 2893
E04	UPFR1086251	ENSRNOT00000007949.6	Il1rn	ENSRNOG0000005871	interleukin 1 receptor antagonist Source RGD Symbol Acc 621159
E05	UPFR1058955	ENSRNOT00000009776.4	Il22	ENSRNOG0000007365	interleukin 22 Source RGD Symbol Acc 1561292
E06	UPFR1075411	ENSRNOT00000004363.3	Il23a	ENSRNOG0000003254	interleukin 23 subunit alpha Source RGD Symbol Acc 620873
E07	UPFR1052941	ENSRNOT00000010151.5	Il23r	ENSRNOG0000007544	interleukin 23 receptor Source RGD Symbol Acc 1586368
E08	UPFR1086524	ENSRNOT00000010729.4	Il5	ENSRNOG0000008111	interleukin 5 Source RGD Symbol Acc 2900
E09	UPFR1098910	ENSRNOT00000013732.6	Il6	ENSRNOG0000010278	interleukin 6 Source RGD Symbol Acc 2901
E10	UPFR1035332	ENSRNOT00000028234.7	Il6r	ENSRNOG0000020811	interleukin 6 receptor Source RGD Symbol Acc 2902
E11	UPFR1101991	ENSRNOT00000016091.7	Il7	ENSRNOG0000011973	interleukin 7 Source RGD Symbol Acc 2904
E12	UPFR1115852	ENSRNOT000000090868.1	Cxcr1	ENSRNOG0000048239	C-X-C motif chemokine receptor 1 Source RGD Symbol Acc 2905
F01	UPFR1021636	ENSRNOT00000016187.2	Il9	ENSRNOG0000012131	interleukin 9 Source RGD Symbol Acc 620049
F02	UPFR1033837	ENSRNOT00000001639.6	Itgb2	ENSRNOG0000001224	integrin subunit beta 2 Source RGD Symbol Acc 1305581
F03	UPFR1102147	ENSRNOT00000004590.6	Il15	ENSRNOG0000003439	interleukin 15 Source RGD Symbol Acc 2887
F04	UPFR1116910	ENSRNOT000000088936.1	Lta	ENSRNOG0000000838	lymphotoxin alpha Source RGD Symbol Acc 3020
F05	UPFR1050435	ENSRNOT000000089411.1	LOC103694381	ENSRNOG0000058566	lymphotoxin-beta Source RGD Symbol Acc 9083628
F06	UPFR1033299	ENSRNOT000000076879.2	Selp	ENSRNOG0000002794	selectin P Source RGD Symbol Acc 3656
F07	UPFR1120879	ENSRNOT00000018341.5	Myd88	ENSRNOG0000013634	MYD88, innate immune signal transduction adaptor Source RGD Symbol Acc 735043
F08	UPFR1116688	ENSRNOT000000036838.4	Nfkb1	ENSRNOG0000023258	nuclear factor kappa B subunit 1 Source RGD Symbol Acc 70498
F09	UPFR1092405	ENSRNOT00000016133.6	Nos2	ENSRNOG0000057443	similar to Nitric oxide synthase, inducible (NOS type II) (Inducible NO synthase) (Inducible NOS) (iNOS) Source RGD Symbol Acc 1598227
F10	UPFR1073381	ENSRNOT000000044287.4	AABR07031756.1	ENSRNOG0000014096	nuclear receptor subfamily 3, group C, member 1 Source NCBI gene Acc 24413

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFR1035449	ENSRNOT00000003567.4	Ptgs2	ENSRNOG0000002525	prostaglandin-endoperoxide synthase 2 Source RGD Symbol Acc 620349
F12	UPFR1074419	ENSRNOT00000012963.5	Ripk2	ENSRNOG0000009389	receptor-interacting serine-threonine kinase 2 Source RGD Symbol Acc 1309167
G01	UPFR1029154	ENSRNOT00000030677.3	Sele	ENSRNOG0000002723	selectin E Source RGD Symbol Acc 3654
G02	UPFR1091338	ENSRNOT00000038312.5	Tirap	ENSRNOG0000021420	TIR domain containing adaptor protein Source RGD Symbol Acc 1595496
G03	UPFR1066076	ENSRNOT00000059124.3	Tlr1	ENSRNOG0000038722	toll-like receptor 1 Source MGI Symbol Acc MGI 1341295
G04	UPFR1061984	ENSRNOT00000013025.4	Tlr2	ENSRNOG0000009822	toll-like receptor 2 Source RGD Symbol Acc 735138
G05	UPFR1036867	ENSRNOT00000087986.1	Tlr3	ENSRNOG0000021726	toll-like receptor 3 Source RGD Symbol Acc 735171
G06	UPFR1020675	ENSRNOT00000014020.3	Tlr4	ENSRNOG0000010522	toll-like receptor 4 Source RGD Symbol Acc 3870
G07	UPFR1117112	ENSRNOT00000004821.4	Tlr5	ENSRNOG0000022067	toll-like receptor 5 Source RGD Symbol Acc 631351
G08	UPFR1064975	ENSRNOT00000002933.5	Tlr6	ENSRNOG0000002161	toll-like receptor 6 Source RGD Symbol Acc 1303030
G09	UPFR1122279	ENSRNOT00000005620.6	Tlr7	ENSRNOG0000004249	toll-like receptor 7 Source RGD Symbol Acc 1563357
G10	UPFR1098022	ENSRNOT00000079677.1	LOC103694380	ENSRNOG0000055156	tumor necrosis factor-like Source RGD Symbol Acc 9404643
G11	UPFR1025657	ENSRNOT00000074247.1	Tnfsf14	ENSRNOG0000047730	TNF superfamily member 14 Source RGD Symbol Acc 1588572
G12	UPFR1079309	ENSRNOT00000046344.3	Tollip	ENSRNOG0000019861	toll interacting protein Source RGD Symbol Acc 1304676
H01	UPFR1132952	ENSRNOT00000080216.1	Actb	ENSRNOG0000034254	actin, beta Source RGD Symbol Acc 628837
H02	UPFR1132953	ENSRNOT00000023017.5	B2m	ENSRNOG0000017123	beta-2 microglobulin Source RGD Symbol Acc 2189
H03	UPFR1132959	ENSRNOT00000065935.3	Hprt1	ENSRNOG0000048561	hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826
H04	UPFR1018740	ENSRNOT00000017468.2	Ldha	ENSRNOG0000013009	lactate dehydrogenase A Source RGD Symbol Acc 2996
H05	UPFR1132958	ENSRNOT00000018820.5	Rplp1	ENSRNOG0000013874	ribosomal protein lateral stalk subunit P1 Source RGD Symbol Acc 621774
H06	UPFR1126610	UPL_RGDC	RGDC	UPL_RGDC	Rat Genomic DNA Contamination
H07	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H08	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H09	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H10	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H11	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H12	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control

Related products

Product	Contents	Cat. no.
QuantiNova LNA Probe PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA Probe PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249945
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 μ l reactions: 20 μ l 8x gDNA Removal Mix, 10 μ l Reverse Transcription Enzyme, 40 μ l Reverse Transcription Mix (containing RT primers), 20 μ l Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 μ l QuantiNova Probe RT Mix, 20 μ l Internal Control RNA, 500 μ l Yellow Template Dilution Buffer, 250 μ l ROX Reference Dye, 1.9 μ l RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208252

*Larger kit sizes available.

The QuantiNova LNA Probe PCR Focus Panels are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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