QuantiNova® LNA® Probe PCR Focus Panels (Rotor-Gene® Format)

Human Chemokines & Receptors

Cat. no. 249955 UPHS-022ZR

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 (Rotor-Gene): QuantiNova LNA Probe PCR Focus Panel

The 96 real-time assays in the Rotor-Gene format are located in wells 1–96 of the Rotor-Disc® (plate A1–A12=Rotor-Disc 1–12, plate B1–B12=Rotor-Disc 13–24, etc.). To maintain data analysis compatibility, wells 97–100 do not contain real-time assays but will contain master mix to account for weight balance. 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	C5	C5AR1	ACKR2	CCL1	CCL11	CCL13	CCL14	CCL15	CCL16	CCL17	CCL18	CCL19
B	CCL2	CCL20	CCL21	CCL22	CCL23	CCL24	CCL25	CCL26	CCL27	CCL28	CCL3	CCL4
C	CCL5	CCL7	CCL8	CCR1	CCR10	CCR2	CCR3	CCR4	CCR5	CCR6	CCR7	CCR8
D	CCR9	ACKR4	CCRL2	CKLF	CMKLR1	CMTM1	CMTM2	CMTM3	CMTM4	CX3CL1	CX3CR1	CXCL1
E	CXCL10	CXCL11	CXCL12	CXCL13	CXCL14	CXCL16	CXCL2	CXCL3	CXCL5	CXCL6	CXCL9	CXCR1
F	CXCR2	CXCR3	CXCR4	CXCR5	CXCR6	ACKR3	ACKR1	FPR1	GPR17	HIF1A	IL16	IL1B
G	IL4	CXCL8	PF4V1	PPBP	SLIT2	TLR2	TLR4	TNF	TYMP	XCL1	XCL2	XCR1
H	ACTB	B2M	GAPDH	HPRT1	RPLP0	HGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFH0177852	ENST00000223642.2	C5	ENSG00000106804	complement C5 Source HGNC Symbol Acc HGNC 1331
A02	UPFH0279350	ENST00000355085.4	C5AR1	ENSG00000197405	complement C5a receptor 1 Source HGNC Symbol Acc HGNC 1338
A03	UPFH0542636	ENST00000460855.5	ACKR2	ENSG00000144648	atypical chemokine receptor 2 Source HGNC Symbol Acc HGNC 1565
A04	UPFH0203536	ENST00000225842.3	CCL1	ENSG00000108702	C-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 10609
A05	UPFH0201571	ENST00000305869.3	CCL11	ENSG00000172156	C-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10610
A06	UPFH1132286	ENST00000225844.7	CCL13	ENSG00000181374	C-C motif chemokine ligand 13 Source HGNC Symbol Acc HGNC 10611
A07	UPFH0258234	ENST00000622526.1	CCL14	ENSG00000276409	C-C motif chemokine ligand 14 Source HGNC Symbol Acc HGNC 10612
A08	UPFH1132287	ENST00000617897.2	CCL15	ENSG00000275718	C-C motif chemokine ligand 15 Source HGNC Symbol Acc HGNC 10613
A09	UPFH0253338	ENST00000611905.2	CCL16	ENSG00000275152	C-C motif chemokine ligand 16 Source HGNC Symbol Acc HGNC 10614
A10	UPFH0117775	ENST00000219244.8	CCL17	ENSG00000102970	C-C motif chemokine ligand 17 Source HGNC Symbol Acc HGNC 10615
A11	UPFH0121778	ENST00000616054.1	CCL18	ENSG00000275385	C-C motif chemokine ligand 18 Source HGNC Symbol Acc HGNC 10616
A12	UPFH1132288	ENST00000378800.3	CCL19	ENSG00000172724	C-C motif chemokine ligand 19 Source HGNC Symbol Acc HGNC 10617
B01	UPFH1132783	ENST00000225831.4	CCL2	ENSG00000108691	C-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 10618
B02	UPFH1132289	ENST00000358813.5	CCL20	ENSG00000115009	C-C motif chemokine ligand 20 Source HGNC Symbol Acc HGNC 10619
B03	UPFH1132290	ENST00000378792.1	CCL21	ENSG00000137077	C-C motif chemokine ligand 21 Source HGNC Symbol Acc HGNC 10620
B04	UPFH1132291	ENST00000219235.5	CCL22	ENSG00000102962	C-C motif chemokine ligand 22 Source HGNC Symbol Acc HGNC 10621
B05	UPFH1132292	ENST00000615050.2	CCL23	ENSG00000274736	C-C motif chemokine ligand 23 Source HGNC Symbol Acc HGNC 10622
B06	UPFH0216555	ENST00000222902.6	CCL24	ENSG00000106178	C-C motif chemokine ligand 24 Source HGNC Symbol Acc HGNC 10623
B07	UPFH0336612	ENST00000315626.5	CCL25	ENSG00000131142	C-C motif chemokine ligand 25 Source HGNC Symbol Acc HGNC 10624
B08	UPFH0418308	ENST00000394905.2	CCL26	ENSG00000006606	C-C motif chemokine ligand 26 Source HGNC Symbol Acc HGNC 10625
B09	UPFH0220105	ENST00000259631.4	CCL27	ENSG00000213927	C-C motif chemokine ligand 27 Source HGNC Symbol Acc HGNC 10626
B10	UPFH0148914	ENST00000489442.5	CCL28	ENSG00000151882	C-C motif chemokine ligand 28 Source HGNC Symbol Acc HGNC 17700
B11	UPFH1132784	ENST00000613922.2	CCL3	ENSG00000277632	C-C motif chemokine ligand 3 Source HGNC Symbol Acc HGNC 10627
B12	UPFH1132785	ENST00000615863.2	CCL4	ENSG00000275302	C-C motif chemokine ligand 4 Source HGNC Symbol Acc HGNC 10630
C01	UPFH1132786	ENST00000603197.6	CCL5	ENSG00000271503	C-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10632
C02	UPFH0186519	ENST00000378569.2	CCL7	ENSG00000108688	C-C motif chemokine ligand 7 Source HGNC Symbol Acc HGNC 10634
C03	UPFH1132787	ENST00000394620.2	CCL8	ENSG00000108700	C-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 10635
C04	UPFH0327828	ENST00000296140.4	CCR1	ENSG00000163823	C-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 1602
C05	UPFH0463166	ENST00000591765.1	CCR10	ENSG00000184451	C-C motif chemokine receptor 10 Source HGNC Symbol Acc HGNC 4474
C06	UPFH0175349	ENST00000445132.2	CCR2	ENSG00000121807	C-C motif chemokine receptor 2 Source HGNC Symbol Acc HGNC 1603
C07	UPFH1132788	ENST00000395940.3	CCR3	ENSG00000183625	C-C motif chemokine receptor 3 Source HGNC Symbol Acc HGNC 1604
C08	UPFH0179708	ENST00000330953.5	CCR4	ENSG00000183813	C-C motif chemokine receptor 4 Source HGNC Symbol Acc HGNC 1605
C09	UPFH1132860	ENST00000292303.4	CCR5	ENSG00000160791	C-C motif chemokine receptor 5 (gene/pseudogene) Source HGNC Symbol Acc HGNC 1606
C10	UPFH1172903	ENST00000349984.6	CCR6	ENSG00000112486	C-C motif chemokine receptor 6 Source HGNC Symbol Acc HGNC 1607
		ENST00000246		ENSG00000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH0507765	657.2	CCR7	126353	C-C motif chemokine receptor 7 Source HGNC Symbol Acc HGNC 1608
C12	UPFH0583026	ENST00000414803.1	CCR8	ENSG00000179934	C-C motif chemokine receptor 8 Source HGNC Symbol Acc HGNC 1609
D01	UPFH0255473	ENST00000395963.2	CCR9	ENSG00000173585	C-C motif chemokine receptor 9 Source HGNC Symbol Acc HGNC 1610
D02	UPFH0539538	ENST00000249887.2	ACKR4	ENSG00000129048	atypical chemokine receptor 4 Source HGNC Symbol Acc HGNC 1611
D03	UPFH0082237	ENST00000400880.3	CCRL2	ENSG00000121797	C-C motif chemokine receptor like 2 Source HGNC Symbol Acc HGNC 1612
D04	UPFH0506464	ENST00000362093.4	CKLF	ENSG00000217555	chemokine like factor Source HGNC Symbol Acc HGNC 13253
D05	UPFH0509908	ENST00000549466.1	CMKLR1	ENSG00000174600	chemerin chemokine-like receptor 1 Source HGNC Symbol Acc HGNC 2121
D06	UPFH0352698	ENST00000379500.6	CMTM1	ENSG00000089505	CKLF like MARVEL transmembrane domain containing 1 Source HGNC Symbol Acc HGNC 19172
D07	UPFH0076569	ENST00000532362.1	CMTM2	ENSG00000140932	CKLF like MARVEL transmembrane domain containing 2 Source HGNC Symbol Acc HGNC 19173
D08	UPFH0178580	ENST00000564060.5	CMTM3	ENSG00000140931	CKLF like MARVEL transmembrane domain containing 3 Source HGNC Symbol Acc HGNC 19174
D09	UPFH0408483	ENST00000561680.5	CMTM4	ENSG00000183723	CKLF like MARVEL transmembrane domain containing 4 Source HGNC Symbol Acc HGNC 19175
D10	UPFH1132348	ENST00000006053.7	CX3CL1	ENSG00000006210	C-X3-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 10647
D11	UPFH0561943	ENST00000399220.2	CX3CR1	ENSG00000168329	C-X3-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 2558
D12	UPFH0494346	ENST00000395761.3	CXCL1	ENSG00000163739	C-X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 4602
E01	UPFH0196315	ENST00000306602.3	CXCL10	ENSG00000169245	C-X-C motif chemokine ligand 10 Source HGNC Symbol Acc HGNC 10637
E02	UPFH0421123	ENST00000306621.7	CXCL11	ENSG00000169248	C-X-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10638
E03	UPFH0092551	ENST00000374429.6	CXCL12	ENSG00000107562	C-X-C motif chemokine ligand 12 Source HGNC Symbol Acc HGNC 10672
E04	UPFH1132796	ENST00000286758.4	CXCL13	ENSG00000156234	C-X-C motif chemokine ligand 13 Source HGNC Symbol Acc HGNC 10639
E05	UPFH0265114	ENST00000512158.5	CXCL14	ENSG00000145824	C-X-C motif chemokine ligand 14 Source HGNC Symbol Acc HGNC 10640
E06	UPFH1132797	ENST00000574412.5	CXCL16	ENSG00000161921	C-X-C motif chemokine ligand 16 Source HGNC Symbol Acc HGNC 16642
E07	UPFH1132349	ENST00000508487.3	CXCL2	ENSG00000081041	C-X-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 4603
E08	UPFH1132889	ENST00000296026.4	CXCL3	ENSG00000163734	C-X-C motif chemokine ligand 3 Source HGNC Symbol Acc HGNC 4604
E09	UPFH1132798	ENST00000296027.5	CXCL5	ENSG00000163735	C-X-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10642
E10	UPFH1132350	ENST00000226317.10	CXCL6	ENSG00000124875	C-X-C motif chemokine ligand 6 Source HGNC Symbol Acc HGNC 10643
E11	UPFH0222764	ENST00000264888.5	CXCL9	ENSG00000138755	C-X-C motif chemokine ligand 9 Source HGNC Symbol Acc HGNC 7098
E12	UPFH0449544	ENST00000295683.2	CXCR1	ENSG00000163464	C-X-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 6026
F01	UPFH0032462	ENST00000454148.1	CXCR2	ENSG00000180871	C-X-C motif chemokine receptor 2 Source HGNC Symbol Acc HGNC 6027
F02	UPFH1132799	ENST00000373693.4	CXCR3	ENSG00000186810	C-X-C motif chemokine receptor 3 Source HGNC Symbol Acc HGNC 4540
F03	UPFH0570418	ENST00000241393.3	CXCR4	ENSG00000121966	C-X-C motif chemokine receptor 4 Source HGNC Symbol Acc HGNC 2561
F04	UPFH0300621	ENST00000292174.4	CXCR5	ENSG00000160683	C-X-C motif chemokine receptor 5 Source HGNC Symbol Acc HGNC 1060
F05	UPFH0202402	ENST00000458629.1	CXCR6	ENSG00000172215	C-X-C motif chemokine receptor 6 Source HGNC Symbol Acc HGNC 16647
F06	UPFH0506908	ENST00000272928.4	ACKR3	ENSG00000144476	atypical chemokine receptor 3 Source HGNC Symbol Acc HGNC 23692
F07	UPFH0540598	ENST00000368121.5	ACKR1	ENSG00000213088	atypical chemokine receptor 1 (Duffy blood group) Source HGNC Symbol Acc HGNC 4035
F08	UPFH0333868	ENST00000304748.4	FPR1	ENSG00000171051	formyl peptide receptor 1 Source HGNC Symbol Acc HGNC 3826
F09	UPFH0266601	ENST00000272644.7	GPR17	ENSG00000144230	G protein-coupled receptor 17 Source HGNC Symbol Acc HGNC 4471
F10	UPFH1132447	ENST00000394997.5	HIF1A	ENSG00000100644	hypoxia inducible factor 1 subunit alpha Source HGNC Symbol Acc HGNC 4910

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0104353	ENST00000394652.6	IL16	ENSG00000172349	interleukin 16 Source HGNC Symbol Acc HGNC 5980
F12	UPFH0163764	ENST00000263341.6	IL1B	ENSG00000125538	interleukin 1 beta Source HGNC Symbol Acc HGNC 5992
G01	UPFH0226437	ENST00000231449.7	IL4	ENSG00000113520	interleukin 4 Source HGNC Symbol Acc HGNC 6014
G02	UPFH0120553	ENST00000307407.8	CXCL8	ENSG00000169429	C-X-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 6025
G03	UPFH0560039	ENST00000226524.4	PF4V1	ENSG00000109272	platelet factor 4 variant 1 Source HGNC Symbol Acc HGNC 8862
G04	UPFH1132833	ENST00000296028.4	PPBP	ENSG00000163736	pro-platelet basic protein Source HGNC Symbol Acc HGNC 9240
G05	UPFH0037938	ENST00000509941.1	SLIT2	ENSG00000145147	slit guidance ligand 2 Source HGNC Symbol Acc HGNC 11086
G06	UPFH0035742	ENST00000642700.1	TLR2	ENSG00000137462	toll like receptor 2 Source HGNC Symbol Acc HGNC 11848
G07	UPFH1132859	ENST00000645071.1	TLR4	ENSG00000136869	toll like receptor 4 Source HGNC Symbol Acc HGNC 11850
G08	UPFH1132978	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G09	UPFH1132746	ENST00000252029.8	TYMP	ENSG00000025708	thymidine phosphorylase Source HGNC Symbol Acc HGNC 3148
G10	UPFH0495407	ENST00000367818.4	XCL1	ENSG00000143184	X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 10645
G11	UPFH0003398	ENST00000367819.3	XCL2	ENSG00000143185	X-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 10646
G12	UPFH0022027	ENST00000309285.3	XCR1	ENSG00000173578	X-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 1625
H01	UPFH1132936	ENST00000646664.1	ACTB	ENSG00000075624	actin beta Source HGNC Symbol Acc HGNC 132
H02	UPFH1132937	ENST00000544417.5	B2M	ENSG00000166710	beta-2-microglobulin Source HGNC Symbol Acc HGNC 914
H03	UPFH1132938	ENST00000229239.10	GAPDH	ENSG00000111640	glyceraldehyde-3-phosphate dehydrogenase Source HGNC Symbol Acc HGNC 4141
H04	UPFH1132939	ENST00000298556.8	HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 Source HGNC Symbol Acc HGNC 5157
H05	UPFH1132941	ENST00000392514.9	RPLP0	ENSG00000089157	ribosomal protein lateral stalk subunit P0 Source HGNC Symbol Acc HGNC 10371
H06	UPFH1126608	UPL_HGDC	HGDC	UPL_HGDC	Human 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 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 µl QuantiNova Probe RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl 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.

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.