

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

Mouse Chemokines & Receptors

Cat. no. 249950 SBMM-022ZA

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA PCR Focus Panels are shipped at ambient temperature. Immediately upon receipt, they should be stored 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 PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova SYBR® Green PCR Kit (Mastermix) for PCR.

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

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

	1	2	3	4	5	6	7	8	9	10	11	12
A	C5ar1	Ackr2	Ccl1	Ccl11	Ccl12	Ccl17	Ccl19	Ccl2	Ccl20	Ccl22	Ccl24	Ccl25
B	Ccl26	Ccl28	Ccl3	Ccl4	Ccl5	Ccl6	Ccl7	Ccl8	Ccl9	Ccr1	Ccr10	Ccr11
C	Ccr2	Ccr3	Ccr4	Ccr5	Ccr6	Ccr7	Ccr8	Ccr9	Ackr4	Ccr12	Cmklr1	Cmtm2a
D	Cmtm3	Cmtm4	Cmtm5	Cmtm6	Cx3cl1	Cx3cr1	Cxcl1	Cxcl10	Cxcl11	Cxcl12	Cxcl13	Cxcl14
E	Cxcl15	Cxcl16	Cxcl2	Cxcl3	Cxcl5	Cxcl9	Cxcr1	Cxcr2	Cxcr3	Cxcr4	Cxcr5	Cxcr6
F	Ackr3	Ackr1	Fpr1	Gpr17	Hif1a	Ifng	Il16	Il1b	Il4	Il6	Itgam	Itgb2
G	Mapk1	Mapk14	Pf4	Pbbp	Slt12	Tgfb1	Tlr2	Tlr4	Tnf	Tymp	Xcl1	Xcr1
H	Aclb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM0790759	ENSMUST00000209442.1	C5ar1	ENSMUSG0000049130	complement component 5a receptor 1 Source MGI Symbol Acc MGI 88232
A02	SBM1086820	ENSMUST00000216326.1	Ackr2	ENSMUSG0000044534	atypical chemokine receptor 2 Source MGI Symbol Acc MGI 1891697
A03	SBM0725984	ENSMUST00000108189.8	Ccl1	ENSMUSG0000020702	chemokine (C-C motif) ligand 1 Source MGI Symbol Acc MGI 98258
A04	SBM0757192	ENSMUST00000000342.2	Ccl11	ENSMUSG0000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A05	SBM0687223	ENSMUST00000000194.3	Ccl12	ENSMUSG0000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A06	SBM0699395	ENSMUST00000034232.2	Ccl17	ENSMUSG0000031780	chemokine (C-C motif) ligand 17 Source MGI Symbol Acc MGI 1329039
A07	SBM1085373	ENSMUST00000102957.5	Ccl19	ENSMUSG0000071005	chemokine (C-C motif) ligand 19 Source MGI Symbol Acc MGI 1346316
A08	SBM0836747	ENSMUST00000000193.5	Ccl2	ENSMUSG0000035385	chemokine (C-C motif) ligand 2 Source MGI Symbol Acc MGI 98259
A09	SBM1058215	ENSMUST00000113437.8	Ccl20	ENSMUSG0000026166	chemokine (C-C motif) ligand 20 Source MGI Symbol Acc MGI 1329031
A10	SBM0685855	ENSMUST00000034231.3	Ccl22	ENSMUSG0000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
A11	SBM0867136	ENSMUST0000004936.9	Ccl24	ENSMUSG000004814	chemokine (C-C motif) ligand 24 Source MGI Symbol Acc MGI 1928953
A12	SBM0940693	ENSMUST00000155797.7	Ccl25	ENSMUSG0000023235	chemokine (C-C motif) ligand 25 Source MGI Symbol Acc MGI 1099448
B01	SBM0692130	ENSMUST00000094226.1	Ccl26	ENSMUSG0000070464	chemokine (C-C motif) ligand 26 Source MGI Symbol Acc MGI 3589281
B02	SBM1013959	ENSMUST00000099241.3	Ccl28	ENSMUSG0000074715	chemokine (C-C motif) ligand 28 Source MGI Symbol Acc MGI 1861731
B03	SBM0794563	ENSMUST00000001008.5	Ccl3	ENSMUSG0000000982	chemokine (C-C motif) ligand 3 Source MGI Symbol Acc MGI 98260
B04	SBM0939661	ENSMUST00000019074.3	Ccl4	ENSMUSG0000018930	chemokine (C-C motif) ligand 4 Source MGI Symbol Acc MGI 98261
B05	SBM0703029	ENSMUST00000125015.1	Ccl5	ENSMUSG0000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
B06	SBM1076242	ENSMUST00000019071.3	Ccl6	ENSMUSG0000018927	chemokine (C-C motif) ligand 6 Source MGI Symbol Acc MGI 98263
B07	SBM0998844	ENSMUST00000021011.2	Ccl7	ENSMUSG0000035373	chemokine (C-C motif) ligand 7 Source MGI Symbol Acc MGI 99512
B08	SBM1067489	ENSMUST00000009329.2	Ccl8	ENSMUSG0000009185	chemokine (C-C motif) ligand 8 Source MGI Symbol Acc MGI 101878
B09	SBM0688036	ENSMUST00000019266.5	Ccl9	ENSMUSG0000019122	chemokine (C-C motif) ligand 9 Source MGI Symbol Acc MGI 104533
B10	SBM1015405	ENSMUST00000026911.5	Ccr1	ENSMUSG0000025804	chemokine (C-C motif) receptor 1 Source MGI Symbol Acc MGI 104618
B11	SBM0858133	ENSMUST00000062759.3	Ccr10	ENSMUSG0000044052	chemokine (C-C motif) receptor 10 Source MGI Symbol Acc MGI 1096320
B12	SBM1058090	ENSMUST00000071404.4	Ccr11	ENSMUSG0000064039	chemokine (C-C motif) receptor 1-like 1 Source MGI Symbol Acc MGI 104617
C01	SBM0796638	ENSMUST00000168841.2	Ccr2	ENSMUSG0000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
C02	SBM1022292	ENSMUST00000039171.8	Ccr3	ENSMUSG0000035448	chemokine (C-C motif) receptor 3 Source MGI Symbol Acc MGI 104616
C03	SBM0824531	ENSMUST00000054414.4	Ccr4	ENSMUSG0000047898	chemokine (C-C motif) receptor 4 Source MGI Symbol Acc MGI 107824
C04	SBM0964476	ENSMUST00000111442.2	Ccr5	ENSMUSG0000079227	chemokine (C-C motif) receptor 5 Source MGI Symbol Acc MGI 107182
C05	SBM0879668	ENSMUST00000164411.9	Ccr6	ENSMUSG0000040899	chemokine (C-C motif) receptor 6 Source MGI Symbol Acc MGI 1333797
C06	SBM0681617	ENSMUST00000103134.3	Ccr7	ENSMUSG0000037944	chemokine (C-C motif) receptor 7 Source MGI Symbol Acc MGI 103011
C07	SBM0815029	ENSMUST00000048777.3	Ccr8	ENSMUSG0000042262	chemokine (C-C motif) receptor 8 Source MGI Symbol Acc MGI 1201402
C08	SBM0943888	ENSMUST00000180093.1	Ccr9	ENSMUSG0000029530	chemokine (C-C motif) receptor 9 Source MGI Symbol Acc MGI 1341902
C09	SBM0708112	ENSMUST00000219146.1	Ackr4	ENSMUSG0000079355	atypical chemokine receptor 4 Source MGI Symbol Acc MGI 2181676
C10	SBM0984945	ENSMUST00000111888.2	Ccr12	ENSMUSG0000043953	chemokine (C-C motif) receptor-like 2 Source MGI Symbol Acc MGI 1920904
		ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0772493	047936.12	Cmklr1	000042190	chemokine-like receptor 1 Source MGI Symbol Acc MGI 109603
C12	SBM0829145	ENSMUST00000 034344.9	Cmtm2a	ENSMUSG00 000074127	CKLF-like MARVEL transmembrane domain containing 2A Source MGI Symbol Acc MGI 2447160
D01	SBM0712024	ENSMUST00000 212948.1	Cmtm3	ENSMUSG00 000031875	CKLF-like MARVEL transmembrane domain containing 3 Source MGI Symbol Acc MGI 2447162
D02	SBM0757665	ENSMUST00000 179802.1	Cmtm4	ENSMUSG00 000096188	CKLF-like MARVEL transmembrane domain containing 4 Source MGI Symbol Acc MGI 2142888
D03	SBM0954963	ENSMUST00000 227441.1	Cmtm5	ENSMUSG00 000040759	CKLF-like MARVEL transmembrane domain containing 5 Source MGI Symbol Acc MGI 2447164
D04	SBM0899748	ENSMUST00000 035007.9	Cmtm6	ENSMUSG00 000032434	CKLF-like MARVEL transmembrane domain containing 6 Source MGI Symbol Acc MGI 2447165
D05	SBM0783722	ENSMUST00000 034230.6	Cx3cl1	ENSMUSG00 000031778	chemokine (C-X3-C motif) ligand 1 Source MGI Symbol Acc MGI 1097153
D06	SBM0805014	ENSMUST00000 177637.1	Cx3cr1	ENSMUSG00 000052336	chemokine (C-X3-C motif) receptor 1 Source MGI Symbol Acc MGI 1333815
D07	SBM0998835	ENSMUST00000 031327.8	Cxcl1	ENSMUSG00 000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
D08	SBM0996179	ENSMUST00000 118006.2	Cxcl10	ENSMUSG00 000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
D09	SBM0710486	ENSMUST00000 122808.1	Cxcl11	ENSMUSG00 000060183	chemokine (C-X-C motif) ligand 11 Source MGI Symbol Acc MGI 1860203
D10	SBM0703161	ENSMUST00000 134244.1	Cxcl12	ENSMUSG00 000061353	chemokine (C-X-C motif) ligand 12 Source MGI Symbol Acc MGI 103556
D11	SBM1027153	ENSMUST00000 023840.6	Cxcl13	ENSMUSG00 000023078	chemokine (C-X-C motif) ligand 13 Source MGI Symbol Acc MGI 1888499
D12	SBM0951065	ENSMUST00000 224801.1	Cxcl14	ENSMUSG00 000021508	chemokine (C-X-C motif) ligand 14 Source MGI Symbol Acc MGI 1888514
E01	SBM0816626	ENSMUST00000 031322.6	Cxcl15	ENSMUSG00 000029375	chemokine (C-X-C motif) ligand 15 Source MGI Symbol Acc MGI 1339941
E02	SBM0926670	ENSMUST00000 019064.8	Cxcl16	ENSMUSG00 000018920	chemokine (C-X-C motif) ligand 16 Source MGI Symbol Acc MGI 1932682
E03	SBM0694289	ENSMUST00000 075433.7	Cxcl2	ENSMUSG00 000058427	chemokine (C-X-C motif) ligand 2 Source MGI Symbol Acc MGI 1340094
E04	SBM0747228	ENSMUST00000 201840.1	Cxcl3	ENSMUSG00 000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
E05	SBM0760625	ENSMUST00000 202380.1	Cxcl5	ENSMUSG00 000029371	chemokine (C-X-C motif) ligand 5 Source MGI Symbol Acc MGI 1096868
E06	SBM0993686	ENSMUST00000 113093.4	Cxcl9	ENSMUSG00 000029417	chemokine (C-X-C motif) ligand 9 Source MGI Symbol Acc MGI 1352449
E07	SBM1001723	ENSMUST00000 190313.1	Cxcr1	ENSMUSG00 000048480	chemokine (C-X-C motif) receptor 1 Source MGI Symbol Acc MGI 2448715
E08	SBM0963144	ENSMUST00000 106899.3	Cxcr2	ENSMUSG00 000026180	chemokine (C-X-C motif) receptor 2 Source MGI Symbol Acc MGI 105303
E09	SBM0682187	ENSMUST00000 056614.6	Cxcr3	ENSMUSG00 000050232	chemokine (C-X-C motif) receptor 3 Source MGI Symbol Acc MGI 1277207
E10	SBM0923037	ENSMUST00000 052172.6	Cxcr4	ENSMUSG00 000045382	chemokine (C-X-C motif) receptor 4 Source MGI Symbol Acc MGI 109563
E11	SBM0950831	ENSMUST00000 179828.7	Cxcr5	ENSMUSG00 000047880	chemokine (C-X-C motif) receptor 5 Source MGI Symbol Acc MGI 103567
E12	SBM0972578	ENSMUST00000 049810.8	Cxcr6	ENSMUSG00 000048521	chemokine (C-X-C motif) receptor 6 Source MGI Symbol Acc MGI 1934582
F01	SBM0734536	ENSMUST00000 065587.4	Ackr3	ENSMUSG00 000044337	atypical chemokine receptor 3 Source MGI Symbol Acc MGI 109562
F02	SBM0748745	ENSMUST00000 038227.5	Ackr1	ENSMUSG00 000037872	atypical chemokine receptor 1 (Duffy blood group) Source MGI Symbol Acc MGI 1097689
F03	SBM0834450	ENSMUST00000 061516.7	Fpr1	ENSMUSG00 000045551	formyl peptide receptor 1 Source MGI Symbol Acc MGI 107443
F04	SBM1082197	ENSMUST00000 064016.5	Gpr17	ENSMUSG00 000052229	G protein-coupled receptor 17 Source MGI Symbol Acc MGI 3584514
F05	SBM1003614	ENSMUST00000 110464.7	Hif1a	ENSMUSG00 000021109	hypoxia inducible factor 1, alpha subunit Source MGI Symbol Acc MGI 106918
F06	SBM0903694	ENSMUST00000 068592.4	Ifng	ENSMUSG00 000055170	interferon gamma Source MGI Symbol Acc MGI 107656
F07	SBM0679719	ENSMUST00000 001792.11	Il16	ENSMUSG00 000001741	interleukin 16 Source MGI Symbol Acc MGI 1270855
F08	SBM0738485	ENSMUST00000 028881.13	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
F09	SBM0926369	ENSMUST00000 150568.7	Il4	ENSMUSG00 000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
F10	SBM0742623	ENSMUST00000 026845.11	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0730179	ENSMUST00000156593.2	Itgam	ENSMUSG0000030786	integrin alpha M Source MGI Symbol Acc MGI 96607
F12	SBM0947975	ENSMUST00000131023.7	Itgb2	ENSMUSG0000000290	integrin beta 2 Source MGI Symbol Acc MGI 96611
G01	SBM0800614	ENSMUST00000231821.1	Mapk1	ENSMUSG0000063358	mitogen-activated protein kinase 1 Source MGI Symbol Acc MGI 1346858
G02	SBM0683456	ENSMUST00000114754.7	Mapk14	ENSMUSG0000053436	mitogen-activated protein kinase 14 Source MGI Symbol Acc MGI 1346865
G03	SBM0889385	ENSMUST00000031320.7	Pf4	ENSMUSG0000029373	platelet factor 4 Source MGI Symbol Acc MGI 1888711
G04	SBM1001435	ENSMUST00000031319.7	Ppbbp	ENSMUSG0000029372	pro-platelet basic protein Source MGI Symbol Acc MGI 1888712
G05	SBM0795181	ENSMUST00000170109.8	Slit2	ENSMUSG0000031558	slit guidance ligand 2 Source MGI Symbol Acc MGI 1315205
G06	SBM0850388	ENSMUST00000002678.9	Tgfb1	ENSMUSG0000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G07	SBM0974490	ENSMUST00000029623.10	Tlr2	ENSMUSG0000027995	toll-like receptor 2 Source MGI Symbol Acc MGI 1346060
G08	SBM0745293	ENSMUST00000107365.2	Tlr4	ENSMUSG0000039005	toll-like receptor 4 Source MGI Symbol Acc MGI 96824
G09	SBM0788439	ENSMUST00000025263.14	Tnf	ENSMUSG0000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G10	SBM0980785	ENSMUST00000023285.4	Tymp	ENSMUSG0000022615	thymidine phosphorylase Source MGI Symbol Acc MGI 1920212
G11	SBM0898013	ENSMUST00000027860.7	Xcl1	ENSMUSG0000026573	chemokine (C motif) ligand 1 Source MGI Symbol Acc MGI 104593
G12	SBM1049376	ENSMUST000000182350.1	Xcr1	ENSMUSG0000060509	chemokine (C motif) receptor 1 Source MGI Symbol Acc MGI 1346338
H01	SBM1220560	ENSMUST00000100497.10	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	SBM0675336	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	SBM1220562	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	SBM1220563	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	SBM1220564	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	SBM1218554	Sybr_MGDC	MGDC	Sybr_MGDC	Mouse Genomic DNA Contamination
H07	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H08	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H09	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H10	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H11	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H12	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control



Related products

Product	Contents	Cat. no.
QuantiNova LNA PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249940
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 SYBR Green RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 μ l QuantiNova SYBR Green 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	208152
QuantiNova SYBR Green PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208052

*Larger kit sizes available.

The QuantiNova LNA 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.

Trademarks: QIAGEN®, LNA®, QuantiNova®, Sample to Insight® (QIAGEN Group); SYBR® (Life Technologies Corp.). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

09/2019 © 2019 QIAGEN, all rights reserved.