

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

Mouse Interferons & Receptors

Cat. no. 249950 SBMM-064ZR

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 (Rotor-Gene): QuantiNova LNA 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 PCR System Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Adar	Crtf2	Csf2	Csf3	Csf3r	Ctcf2	Cxcl10	Ebi3	Epor	F3	Ghr	Ifi204
B	Ifi27	Ifi272a	Ifi30	Ifi35	Ifi44	Ifih1	Ifi1	Ifi2	Ifi3	Ifitm1	Ifitm2	Ifna11
C	Ifna12	Ifna14	Ifna2	Ifna4	Ifna9	Ifnab	Ifnar1	Ifnar2	Ifnb1	Ifne	Ifng	Ifngr1
D	Ifngr2	Ifnk	Ifnz	Il10rb	Il12b	Il12rb1	Il12rb2	Il13	Il13ra1	Il15	Il20ra	Il21
E	Il21r	Il22ra2	Ilfn3	Ilfnr1	Il2rb	Il2rg	Il3ra	Il4	Il4ra	Il6	Il6ra	Il6st
F	Il7	Il7r	Il9	Il9r	Ir1	Ir2	Ir2bp1	Ir3	Ir4	Ir5	Ir6	Ir7
G	Ir8	Irgm1	Isg15	Lepr	Lif	Lifr	Mpl	Mx1	Oas1a	Osm	Osmr	Pir
H	Actb	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	SBM0984683	ENSMUST00000107405.5	Adar	ENSMUSG0000027951	adenosine deaminase, RNA-specific Source MGI Symbol Acc MGI 1889575
A02	SBM0959784	ENSMUST00000198960.1	Crlf2	ENSMUSG0000033467	cytokine receptor-like factor 2 Source MGI Symbol Acc MGI 1889506
A03	SBM1080991	ENSMUST00000019060.5	Csf2	ENSMUSG0000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
A04	SBM0837472	ENSMUST00000038886.2	Csf3	ENSMUSG0000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
A05	SBM0769548	ENSMUST00000140426.1	Csf3r	ENSMUSG0000028859	colony stimulating factor 3 receptor (granulocyte) Source MGI Symbol Acc MGI 1339755
A06	SBM0806332	ENSMUST00000076091.3	Ctf2	ENSMUSG0000060034	cardiotrophin 2 Source MGI Symbol Acc MGI 2684607
A07	SBM0996179	ENSMUST00000118006.2	Cxcl10	ENSMUSG0000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
A08	SBM0897313	ENSMUST00000003274.7	Ebi3	ENSMUSG0000003206	Epstein-Barr virus induced gene 3 Source MGI Symbol Acc MGI 1354171
A09	SBM1015360	ENSMUST00000213181.1	Epor	ENSMUSG0000006235	erythropoietin receptor Source MGI Symbol Acc MGI 95408
A10	SBM0963811	ENSMUST00000029771.12	F3	ENSMUSG0000028128	coagulation factor III Source MGI Symbol Acc MGI 88381
A11	SBM0700841	ENSMUST00000110697.8	Ghr	ENSMUSG0000055737	growth hormone receptor Source MGI Symbol Acc MGI 95708
A12	SBM0788619	ENSMUST00000192414.1	Ifi204	ENSMUSG0000073489	interferon activated gene 204 Source MGI Symbol Acc MGI 96429
B01	SBM0814784	ENSMUST00000079294.11	Ifi27	ENSMUSG0000064215	interferon, alpha-inducible protein 27 Source MGI Symbol Acc MGI 1277180
B02	SBM1036163	ENSMUST00000055071.8	Ifi27l2a	ENSMUSG0000079017	interferon, alpha-inducible protein 27 like 2A Source MGI Symbol Acc MGI 1924183
B03	SBM0743130	ENSMUST00000222087.1	Ifi30	ENSMUSG0000031838	interferon gamma inducible protein 30 Source MGI Symbol Acc MGI 2137648
B04	SBM0740118	ENSMUST00000010502.12	Ifi35	ENSMUSG0000010358	interferon-induced protein 35 Source MGI Symbol Acc MGI 1917360
B05	SBM0730771	ENSMUST00000127733.1	Ifi44	ENSMUSG0000028037	interferon-induced protein 44 Source MGI Symbol Acc MGI 2443016
B06	SBM0951188	ENSMUST00000175964.1	Ifih1	ENSMUSG0000026896	interferon induced with helicase C domain 1 Source MGI Symbol Acc MGI 1918836
B07	SBM0773740	ENSMUST00000102824.3	Ifit1	ENSMUSG0000034459	interferon-induced protein with tetratricopeptide repeats 1 Source MGI Symbol Acc MGI 99450
B08	SBM0834376	ENSMUST00000102826.3	Ifit2	ENSMUSG0000045932	interferon-induced protein with tetratricopeptide repeats 2 Source MGI Symbol Acc MGI 99449
B09	SBM0867602	ENSMUST00000102825.3	Ifit3	ENSMUSG0000074896	interferon-induced protein with tetratricopeptide repeats 3 Source MGI Symbol Acc MGI 1101055
B10	SBM1085854	ENSMUST00000106040.7	Ifitm1	ENSMUSG0000025491	interferon induced transmembrane protein 1 Source MGI Symbol Acc MGI 1915963
B11	SBM0902249	ENSMUST00000081649.9	Ifitm2	ENSMUSG0000060591	interferon induced transmembrane protein 2 Source MGI Symbol Acc MGI 1933382
B12	SBM0880264	ENSMUST00000170428.2	Ifna11	ENSMUSG0000100549	interferon alpha 11 Source MGI Symbol Acc MGI 109210
C01	SBM0762210	ENSMUST00000102806.1	Ifna12	ENSMUSG0000073811	interferon alpha 12 Source MGI Symbol Acc MGI 2676324
C02	SBM0930519	ENSMUST00000102808.1	Ifna14	ENSMUSG0000095896	interferon alpha 14 Source MGI Symbol Acc MGI 3641425
C03	SBM0773737	ENSMUST00000105147.1	Ifna2	ENSMUSG0000078354	interferon alpha 2 Source MGI Symbol Acc MGI 107666
C04	SBM0940429	ENSMUST00000094973.4	Ifna4	ENSMUSG0000070904	interferon alpha 4 Source MGI Symbol Acc MGI 107664
C05	SBM1062122	ENSMUST00000102807.1	Ifna9	ENSMUSG0000095270	interferon alpha 9 Source MGI Symbol Acc MGI 107659
C06	SBM1035093	ENSMUST00000071378.5	Ifnab	ENSMUSG0000100079	interferon alpha B Source MGI Symbol Acc MGI 1097683
C07	SBM1048996	ENSMUST00000129878.1	Ifnar1	ENSMUSG0000022967	interferon (alpha and beta) receptor 1 Source MGI Symbol Acc MGI 107658
C08	SBM0825385	ENSMUST00000134491.8	Ifnar2	ENSMUSG0000022971	interferon (alpha and beta) receptor 2 Source MGI Symbol Acc MGI 1098243
C09	SBM0872658	ENSMUST00000055671.4	Ifnb1	ENSMUSG0000048806	interferon beta 1, fibroblast Source MGI Symbol Acc MGI 107657
C10	SBM0904860	ENSMUST00000056014.2	Ifne	ENSMUSG0000045364	interferon epsilon Source MGI Symbol Acc MGI 2667156
		ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0903694	068592.4	lfng	000055170	interferon gamma Source MGI Symbol Acc MGI 107656
C12	SBM0816124	ENSMUST00000110989.2	lfngr1	ENSMUSG0000020009	interferon gamma receptor 1 Source MGI Symbol Acc MGI 107655
D01	SBM0751475	ENSMUST00000023687.8	lfngr2	ENSMUSG00000022965	interferon gamma receptor 2 Source MGI Symbol Acc MGI 107654
D02	SBM0886203	ENSMUST00000058595.6	lfnk	ENSMUSG00000042993	interferon kappa Source MGI Symbol Acc MGI 2683287
D03	SBM0768271	ENSMUST00000105144.1	lfnz	ENSMUSG00000096854	interferon zeta Source MGI Symbol Acc MGI 2448469
D04	SBM0883363	ENSMUST00000156133.7	Il10rb	ENSMUSG00000022969	interleukin 10 receptor, beta Source MGI Symbol Acc MGI 109380
D05	SBM0957286	ENSMUST00000102796.9	Il12b	ENSMUSG0000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
D06	SBM0894668	ENSMUST00000212657.1	Il12rb1	ENSMUSG0000000791	interleukin 12 receptor, beta 1 Source MGI Symbol Acc MGI 104579
D07	SBM0758729	ENSMUST00000117441.7	Il12rb2	ENSMUSG0000018341	interleukin 12 receptor, beta 2 Source MGI Symbol Acc MGI 1270861
D08	SBM0860496	ENSMUST00000020650.1	Il13	ENSMUSG00000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D09	SBM0817568	ENSMUST00000033418.7	Il13ra1	ENSMUSG0000017057	interleukin 13 receptor, alpha 1 Source MGI Symbol Acc MGI 105052
D10	SBM0737685	ENSMUST00000034148.6	Il15	ENSMUSG00000031712	interleukin 15 Source MGI Symbol Acc MGI 103014
D11	SBM0716404	ENSMUST00000020185.4	Il20ra	ENSMUSG00000020007	interleukin 20 receptor, alpha Source MGI Symbol Acc MGI 3605069
D12	SBM0747287	ENSMUST00000161015.1	Il21	ENSMUSG00000027718	interleukin 21 Source MGI Symbol Acc MGI 1890474
E01	SBM0742508	ENSMUST00000206234.1	Il21r	ENSMUSG00000030745	interleukin 21 receptor Source MGI Symbol Acc MGI 1890475
E02	SBM1040809	ENSMUST00000036564.7	Il22ra2	ENSMUSG00000039760	interleukin 22 receptor, alpha 2 Source MGI Symbol Acc MGI 2665114
E03	SBM1085035	ENSMUST00000078364.3	Ifnl3	ENSMUSG00000060747	interferon lambda 3 Source MGI Symbol Acc MGI 2450574
E04	SBM0904139	ENSMUST00000074408.6	Ifnlr1	ENSMUSG00000062157	interferon lambda receptor 1 Source MGI Symbol Acc MGI 2429859
E05	SBM1056230	ENSMUST00000163494.2	Il2rb	ENSMUSG00000068227	interleukin 2 receptor, beta chain Source MGI Symbol Acc MGI 96550
E06	SBM0793634	ENSMUST00000127538.1	Il2rg	ENSMUSG00000031304	interleukin 2 receptor, gamma chain Source MGI Symbol Acc MGI 96551
E07	SBM0939274	ENSMUST00000090591.3	Il3ra	ENSMUSG00000068758	interleukin 3 receptor, alpha chain Source MGI Symbol Acc MGI 96553
E08	SBM0926369	ENSMUST00000150568.7	Il4	ENSMUSG00000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E09	SBM0691649	ENSMUST00000206681.1	Il4ra	ENSMUSG00000030748	interleukin 4 receptor, alpha Source MGI Symbol Acc MGI 105367
E10	SBM0742623	ENSMUST00000026845.11	Il6	ENSMUSG00000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E11	SBM0834938	ENSMUST00000197679.4	Il6ra	ENSMUSG00000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
E12	SBM0823451	ENSMUST00000183829.7	Il6st	ENSMUSG00000021756	interleukin 6 signal transducer Source MGI Symbol Acc MGI 96560
F01	SBM1037504	ENSMUST00000168269.7	Il7	ENSMUSG00000040329	interleukin 7 Source MGI Symbol Acc MGI 96561
F02	SBM0796500	ENSMUST00000003981.5	Il7r	ENSMUSG00000003882	interleukin 7 receptor Source MGI Symbol Acc MGI 96562
F03	SBM0847018	ENSMUST00000022019.3	Il9	ENSMUSG00000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
F04	SBM1003882	ENSMUST00000142396.1	Il9r	ENSMUSG00000020279	interleukin 9 receptor Source MGI Symbol Acc MGI 96564
F05	SBM1091850	ENSMUST00000138913.7	Irf1	ENSMUSG0000018899	interferon regulatory factor 1 Source MGI Symbol Acc MGI 96590
F06	SBM0900000	ENSMUST00000210284.1	Irf2	ENSMUSG00000031627	interferon regulatory factor 2 Source MGI Symbol Acc MGI 96591
F07	SBM0980305	ENSMUST00000053713.4	Irf2bp1	ENSMUSG00000044030	interferon regulatory factor 2 binding protein 1 Source MGI Symbol Acc MGI 2442159
F08	SBM0803819	ENSMUST00000207129.1	Irf3	ENSMUSG00000003184	interferon regulatory factor 3 Source MGI Symbol Acc MGI 1859179
F09	SBM0761311	ENSMUST00000021784.9	Irf4	ENSMUSG00000021356	interferon regulatory factor 4 Source MGI Symbol Acc MGI 1096873
F10	SBM0896474	ENSMUST00000163511.6	Irf5	ENSMUSG00000029771	interferon regulatory factor 5 Source MGI Symbol Acc MGI 1350924

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM1050990	ENSMUST00000076521.6	Irf6	ENSMUSG00000026638	interferon regulatory factor 6 Source MGI Symbol Acc MGI 1859211
F12	SBM0775971	ENSMUST00000123525.1	Irf7	ENSMUSG00000025498	interferon regulatory factor 7 Source MGI Symbol Acc MGI 1859212
G01	SBM0695701	ENSMUST00000162658.7	Irf8	ENSMUSG00000041515	interferon regulatory factor 8 Source MGI Symbol Acc MGI 96395
G02	SBM0768586	ENSMUST00000097271.3	Irgm1	ENSMUSG00000046879	immunity-related GTPase family M member 1 Source MGI Symbol Acc MGI 107567
G03	SBM1019263	ENSMUST00000085425.4	Isg15	ENSMUSG00000035692	ISG15 ubiquitin-like modifier Source MGI Symbol Acc MGI 1855694
G04	SBM1058375	ENSMUST00000128948.7	Lepr	ENSMUSG00000057722	leptin receptor Source MGI Symbol Acc MGI 104993
G05	SBM0873612	ENSMUST00000066283.11	Lif	ENSMUSG00000034394	leukemia inhibitory factor Source MGI Symbol Acc MGI 96787
G06	SBM0699496	ENSMUST00000067190.11	Lifr	ENSMUSG00000054263	LIF receptor alpha Source MGI Symbol Acc MGI 96788
G07	SBM1050157	ENSMUST00000106375.1	Mpl	ENSMUSG00000006389	myeloproliferative leukemia virus oncogene Source MGI Symbol Acc MGI 97076
G08	SBM0761203	ENSMUST00000232193.1	Mx1	ENSMUSG0000000386	MX dynamin-like GTPase 1 Source MGI Symbol Acc MGI 97243
G09	SBM1049469	ENSMUST00000080322.7	Oas1a	ENSMUSG00000052776	2'-5' oligoadenylate synthetase 1A Source MGI Symbol Acc MGI 2180860
G10	SBM0824436	ENSMUST00000131764.1	Osm	ENSMUSG00000058755	oncostatin M Source MGI Symbol Acc MGI 104749
G11	SBM0732075	ENSMUST00000177478.1	Osmr	ENSMUSG00000022146	oncostatin M receptor Source MGI Symbol Acc MGI 1330819
G12	SBM0887632	ENSMUST00000138135.7	Prlr	ENSMUSG00000005268	prolactin receptor Source MGI Symbol Acc MGI 97763
H01	SBM1220560	ENSMUST00000100497.10	Actb	ENSMUSG00000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	SBM0675336	ENSMUST00000102476.4	B2m	ENSMUSG00000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	SBM1220562	ENSMUST00000117757.8	Gapdh	ENSMUSG00000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	SBM1220563	ENSMUST00000026613.13	Gusb	ENSMUSG00000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	SBM1220564	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG00000023944	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.

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