

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

Mouse Interferons & Receptors

Cat. no. 249955 UPMM-064ZR

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	Adar	Crtf2	Csf2	Csf3	Csf3r	Ctcf2	Cxcl10	Ebi3	Epor	F3	Ghr	Ifi204
B	Ifi27	Ifi272a	Ifi30	Ifi35	Ifi44	Ifih1	Ifit1	Ifir2	Ifit3	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	Ilrl3	Ilrlr1	Il2rb	Il2rg	Il3ra	Il4	Il4ra	Il6	Il6ra	Il6st
F	Il7	Il7r	Il9	Il9r	Irf1	Irf2	Irf2bp1	Irf3	Irf4	Irf5	Irf6	Irf7
G	Irf8	Irgm1	Isg15	Lepr	Lif	Lifr	Mpl	Mx1	Oas1a	Osm	Osmr	Prlr
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM062735 6	ENSMUST00000 118341.5	Adar	ENSMUSG00 000027951	adenosine deaminase, RNA-specific Source MGI Symbol Acc MGI 1889575
A02	UPFM067588 3	ENSMUST00000 200284.4	Crlf2	ENSMUSG00 000033467	cytokine receptor-like factor 2 Source MGI Symbol Acc MGI 1889506
A03	UPFM064031 3	ENSMUST00000 019060.5	Csf2	ENSMUSG00 000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
A04	UPFM089304 3	ENSMUST00000 038886.2	Csf3	ENSMUSG00 000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
A05	UPFM077628 4	ENSMUST00000 140426.1	Csf3r	ENSMUSG00 000028859	colony stimulating factor 3 receptor (granulocyte) Source MGI Symbol Acc MGI 1339755
A06	UPFM069537 7	ENSMUST00000 076091.3	Ctcf	ENSMUSG00 000060034	cardiotrophin 2 Source MGI Symbol Acc MGI 2684607
A07	UPFM098980 6	ENSMUST00000 038816.12	Cxcl10	ENSMUSG00 000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
A08	UPFM061793 2	ENSMUST00000 003274.7	Ebi3	ENSMUSG00 000003206	Epstein-Barr virus induced gene 3 Source MGI Symbol Acc MGI 1354171
A09	UPFM082474 7	ENSMUST00000 213181.1	Epor	ENSMUSG00 000006235	erythropoietin receptor Source MGI Symbol Acc MGI 95408
A10	UPFM098656 9	ENSMUST00000 029771.12	F3	ENSMUSG00 000028128	coagulation factor III Source MGI Symbol Acc MGI 88381
A11	UPFM079187 0	ENSMUST00000 161770.1	Ghr	ENSMUSG00 000055737	growth hormone receptor Source MGI Symbol Acc MGI 95708
A12	UPFM093499 7	ENSMUST00000 111214.3	Ifi204	ENSMUSG00 000073489	interferon activated gene 204 Source MGI Symbol Acc MGI 96429
B01	UPFM091656 2	ENSMUST00000 076788.11	Ifi27	ENSMUSG00 000064215	interferon, alpha-inducible protein 27 Source MGI Symbol Acc MGI 1277180
B02	UPFM065358 7	ENSMUST00000 055071.8	Ifi27l2a	ENSMUSG00 000079017	interferon, alpha-inducible protein 27 like 2A Source MGI Symbol Acc MGI 1924183
B03	UPFM065299 7	ENSMUST00000 034299.5	Ifi30	ENSMUSG00 000031838	interferon gamma inducible protein 30 Source MGI Symbol Acc MGI 2137648
B04	UPFM074630 6	ENSMUST00000 131024.1	Ifi35	ENSMUSG00 000010358	interferon-induced protein 35 Source MGI Symbol Acc MGI 1917360
B05	UPFM069158 8	ENSMUST00000 029671.8	Ifi44	ENSMUSG00 000028037	interferon-induced protein 44 Source MGI Symbol Acc MGI 2443016
B06	UPFM070359 8	ENSMUST00000 028259.11	Ifih1	ENSMUSG00 000026896	interferon induced with helicase C domain 1 Source MGI Symbol Acc MGI 1918836
B07	UPFM081305 3	ENSMUST00000 102824.3	Ifit1	ENSMUSG00 000034459	interferon-induced protein with tetratricopeptide repeats 1 Source MGI Symbol Acc MGI 99450
B08	UPFM066275 0	ENSMUST00000 102826.3	Ifit2	ENSMUSG00 000045932	interferon-induced protein with tetratricopeptide repeats 2 Source MGI Symbol Acc MGI 99449
B09	UPFM065877 0	ENSMUST00000 102825.3	Ifit3	ENSMUSG00 000074896	interferon-induced protein with tetratricopeptide repeats 3 Source MGI Symbol Acc MGI 1101055
B10	UPFM079790 7	ENSMUST00000 106040.7	Ifitm1	ENSMUSG00 000025491	interferon induced transmembrane protein 1 Source MGI Symbol Acc MGI 1915963
B11	UPFM087156 3	ENSMUST00000 081649.9	Ifitm2	ENSMUSG00 000060591	interferon induced transmembrane protein 2 Source MGI Symbol Acc MGI 1933382
B12	UPFM075632 8	ENSMUST00000 170428.2	Ifna11	ENSMUSG00 000100549	interferon alpha 11 Source MGI Symbol Acc MGI 109210
C01	UPFM076913 7	ENSMUST00000 102806.1	Ifna12	ENSMUSG00 000073811	interferon alpha 12 Source MGI Symbol Acc MGI 2676324
C02	UPFM099696 1	ENSMUST00000 102808.1	Ifna14	ENSMUSG00 000095896	interferon alpha 14 Source MGI Symbol Acc MGI 3641425
C03	UPFM071862 7	ENSMUST00000 105147.1	Ifna2	ENSMUSG00 000078354	interferon alpha 2 Source MGI Symbol Acc MGI 107666
C04	UPFM098483 2	ENSMUST00000 094973.4	Ifna4	ENSMUSG00 000070904	interferon alpha 4 Source MGI Symbol Acc MGI 107664
C05	UPFM101162 9	ENSMUST00000 102807.1	Ifna9	ENSMUSG00 000095270	interferon alpha 9 Source MGI Symbol Acc MGI 107659
C06	UPFM072555 1	ENSMUST00000 071378.5	Ifnab	ENSMUSG00 000100079	interferon alpha B Source MGI Symbol Acc MGI 1097683
C07	UPFM070304 1	ENSMUST00000 123196.8	Ifnar1	ENSMUSG00 000022967	interferon (alpha and beta) receptor 1 Source MGI Symbol Acc MGI 107658
C08	UPFM095391 3	ENSMUST00000 023693.13	Ifnar2	ENSMUSG00 000022971	interferon (alpha and beta) receptor 2 Source MGI Symbol Acc MGI 1098243
C09	UPFM063944 2	ENSMUST00000 055671.4	Ifnb1	ENSMUSG00 000048806	interferon beta 1, fibroblast Source MGI Symbol Acc MGI 107657
C10	UPFM068016 4	ENSMUST00000 056014.2	Ifne	ENSMUSG00 000045364	interferon epsilon Source MGI Symbol Acc MGI 2667156
	UPFM117295	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	0	068592.4	Ifng	000055170	interferon gamma Source MGI Symbol Acc MGI 107656
C12	UPFM0913455	ENSMUST00000171772.1	Ifngr1	ENSMUSG0000020009	interferon gamma receptor 1 Source MGI Symbol Acc MGI 107655
D01	UPFM1007251	ENSMUST00000023687.8	Ifngr2	ENSMUSG00000022965	interferon gamma receptor 2 Source MGI Symbol Acc MGI 107654
D02	UPFM0977900	ENSMUST00000058595.6	Ifnk	ENSMUSG00000042993	interferon kappa Source MGI Symbol Acc MGI 2683287
D03	UPFM0949712	ENSMUST00000105144.1	Ifnz	ENSMUSG00000096854	interferon zeta Source MGI Symbol Acc MGI 2448469
D04	UPFM0655817	ENSMUST00000152729.7	Il10rb	ENSMUSG00000022969	interleukin 10 receptor, beta Source MGI Symbol Acc MGI 109380
D05	UPFM0785020	ENSMUST00000170513.2	Il12b	ENSMUSG0000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
D06	UPFM0677493	ENSMUST0000000808.7	Il12rb1	ENSMUSG00000000791	interleukin 12 receptor, beta 1 Source MGI Symbol Acc MGI 104579
D07	UPFM0713251	ENSMUST00000117441.7	Il12rb2	ENSMUSG0000018341	interleukin 12 receptor, beta 2 Source MGI Symbol Acc MGI 1270861
D08	UPFM1172952	ENSMUST00000020650.1	Il13	ENSMUSG00000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D09	UPFM0943665	ENSMUST00000033418.7	Il13ra1	ENSMUSG0000017057	interleukin 13 receptor, alpha 1 Source MGI Symbol Acc MGI 105052
D10	UPFM0906756	ENSMUST00000209687.1	Il15	ENSMUSG00000031712	interleukin 15 Source MGI Symbol Acc MGI 103014
D11	UPFM0673721	ENSMUST00000020185.4	Il20ra	ENSMUSG00000020007	interleukin 20 receptor, alpha Source MGI Symbol Acc MGI 3605069
D12	UPFM1172953	ENSMUST00000029273.7	Il21	ENSMUSG00000027718	interleukin 21 Source MGI Symbol Acc MGI 1890474
E01	UPFM0796299	ENSMUST00000033000.7	Il21r	ENSMUSG00000030745	interleukin 21 receptor Source MGI Symbol Acc MGI 1890475
E02	UPFM0746815	ENSMUST00000036564.7	Il22ra2	ENSMUSG00000039760	interleukin 22 receptor, alpha 2 Source MGI Symbol Acc MGI 2665114
E03	UPFM0630275	ENSMUST00000078364.3	Ifnl3	ENSMUSG00000060747	interferon lambda 3 Source MGI Symbol Acc MGI 2450574
E04	UPFM0897530	ENSMUST00000074408.6	Ifnlr1	ENSMUSG00000062157	interferon lambda receptor 1 Source MGI Symbol Acc MGI 2429859
E05	UPFM0762222	ENSMUST00000163494.2	Il2rb	ENSMUSG00000068227	interleukin 2 receptor, beta chain Source MGI Symbol Acc MGI 96550
E06	UPFM0635047	ENSMUST00000127538.1	Il2rg	ENSMUSG00000031304	interleukin 2 receptor, gamma chain Source MGI Symbol Acc MGI 96551
E07	UPFM0749944	ENSMUST00000090591.3	Il3ra	ENSMUSG00000068758	interleukin 3 receptor, alpha chain Source MGI Symbol Acc MGI 96553
E08	UPFM0959251	ENSMUST00000150568.7	Il4	ENSMUSG00000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E09	UPFM0955611	ENSMUST00000206217.1	Il4ra	ENSMUSG00000030748	interleukin 4 receptor, alpha Source MGI Symbol Acc MGI 105367
E10	UPFM0729099	ENSMUST00000195978.4	Il6	ENSMUSG00000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E11	UPFM1000177	ENSMUST00000029559.6	Il6ra	ENSMUSG00000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
E12	UPFM1002261	ENSMUST00000184445.7	Il6st	ENSMUSG00000021756	interleukin 6 signal transducer Source MGI Symbol Acc MGI 96560
F01	UPFM0916081	ENSMUST00000194279.5	Il7	ENSMUSG00000040329	interleukin 7 Source MGI Symbol Acc MGI 96561
F02	UPFM0838873	ENSMUST00000228782.1	Il7r	ENSMUSG00000003882	interleukin 7 receptor Source MGI Symbol Acc MGI 96562
F03	UPFM0997149	ENSMUST00000022019.3	Il9	ENSMUSG00000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
F04	UPFM0625524	ENSMUST00000020518.10	Il9r	ENSMUSG00000020279	interleukin 9 receptor Source MGI Symbol Acc MGI 96564
F05	UPFM0624252	ENSMUST00000142221.7	Irf1	ENSMUSG0000018899	interferon regulatory factor 1 Source MGI Symbol Acc MGI 96590
F06	UPFM0829930	ENSMUST00000207571.2	Irf2	ENSMUSG00000031627	interferon regulatory factor 2 Source MGI Symbol Acc MGI 96591
F07	UPFM0652607	ENSMUST00000053713.4	Irf2bp1	ENSMUSG00000044030	interferon regulatory factor 2 binding protein 1 Source MGI Symbol Acc MGI 2442159
F08	UPFM0972461	ENSMUST00000207521.1	Irf3	ENSMUSG00000003184	interferon regulatory factor 3 Source MGI Symbol Acc MGI 1859179
F09	UPFM0736498	ENSMUST00000110307.2	Irf4	ENSMUSG00000021356	interferon regulatory factor 4 Source MGI Symbol Acc MGI 1096873
F10	UPFM0795246	ENSMUST00000164922.2	Irf5	ENSMUSG00000029771	interferon regulatory factor 5 Source MGI Symbol Acc MGI 1350924

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM093676 3	ENSMUST00000 076521.6	Irf6	ENSMUSG00 000026638	interferon regulatory factor 6 Source MGI Symbol Acc MGI 1859211
F12	UPFM089456 5	ENSMUST00000 123525.1	Irf7	ENSMUSG00 000025498	interferon regulatory factor 7 Source MGI Symbol Acc MGI 1859212
G01	UPFM092087 0	ENSMUST00000 160943.2	Irf8	ENSMUSG00 000041515	interferon regulatory factor 8 Source MGI Symbol Acc MGI 96395
G02	UPFM064502 1	ENSMUST00000 097271.3	Irgm1	ENSMUSG00 000046879	immunity-related GTPase family M member 1 Source MGI Symbol Acc MGI 107567
G03	UPFM079289 6	ENSMUST00000 085425.4	Isg15	ENSMUSG00 000035692	ISG15 ubiquitin-like modifier Source MGI Symbol Acc MGI 1855694
G04	UPFM097537 4	ENSMUST00000 128948.7	Lepr	ENSMUSG00 000057722	leptin receptor Source MGI Symbol Acc MGI 104993
G05	UPFM093122 5	ENSMUST00000 066283.11	Lif	ENSMUSG00 000034394	leukemia inhibitory factor Source MGI Symbol Acc MGI 96787
G06	UPFM095922 0	ENSMUST00000 171588.1	Lifr	ENSMUSG00 000054263	LIF receptor alpha Source MGI Symbol Acc MGI 96788
G07	UPFM077315 5	ENSMUST00000 102671.9	Mpl	ENSMUSG00 000006389	myeloproliferative leukemia virus oncogene Source MGI Symbol Acc MGI 97076
G08	UPFM064063 2	ENSMUST00000 232193.1	Mx1	ENSMUSG00 000000386	MX dynamin-like GTPase 1 Source MGI Symbol Acc MGI 97243
G09	UPFM073875 9	ENSMUST00000 080322.7	Oas1a	ENSMUSG00 000052776	2'-5' oligoadenylate synthetase 1A Source MGI Symbol Acc MGI 2180860
G10	UPFM065231 4	ENSMUST00000 131764.1	Osm	ENSMUSG00 000058755	oncostatin M Source MGI Symbol Acc MGI 104749
G11	UPFM067812 2	ENSMUST00000 177478.1	Osmr	ENSMUSG00 000022146	oncostatin M receptor Source MGI Symbol Acc MGI 1330819
G12	UPFM090644 7	ENSMUST00000 132361.7	Prlr	ENSMUSG00 000005268	prolactin receptor Source MGI Symbol Acc MGI 97763
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	UPL_MGDC	MGDC	UPL_MGDC	Mouse 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.

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