

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

Mouse Allergy & Asthma

Cat. no. 249955 UPMM-067ZR

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	Adam33	Adrb2	Alox5	Areg	Arg1	Bcl6	Ccl11	Ccl12	Ccl17	Ccl22	Ccl24	Ccl26
B	Ccl4	Ccl5	Ccr3	Ccr4	Ccr8	Cd40lg	Chil1	Chia1	Clea1	Cma1	Cpa3	Crrf2
C	Csf2	Csf3r	Cyslr1	Rnase2a	Rnase2b	Epx	Ets1	Fcer1a	Foxp3	Gata3	Ptldr2	Icos
D	Ifng	Ifng2	Il10	Il12a	Il12b	Il13	Il13ra1	Il13ra2	Il17a	Il17b	Il18	Il1r1
E	Il21	Il25	Il2ra	Il3	Il33	Il3ra	Il4	Il4ra	Il5	Il5ra	Il9	Ilga4
F	Kit	Kitl	Ltb4r1	Maf	Mmp9	Mrc1	Ms4a2	Muc5ac	Pdcd1	Pmch	Postn	Pparg
G	Prg2	Retnlg	Rorc	Sarb1	Stat5a	Stat6	Tbx21	Tgfb1	Tnfrsf4	Tnfrsf4	Tpsb2	Tslp
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	QIC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM092531 2	ENSMUST00000 052104.9	Adam33	ENSMUSG00 000027318	α disintegrin and metallopeptidase domain 33 Source MGI Symbol Acc MGI 1341813
A02	UPFM086644 3	ENSMUST00000 053640.4	Adrb2	ENSMUSG00 000045730	adrenergic receptor, beta 2 Source MGI Symbol Acc MGI 87938
A03	UPFM067709 5	ENSMUST00000 164547.7	Alox5	ENSMUSG00 000025701	arachidonate 5-lipoxygenase Source MGI Symbol Acc MGI 87999
A04	UPFM097558 1	ENSMUST00000 031325.5	Areg	ENSMUSG00 000029378	amphiregulin Source MGI Symbol Acc MGI 88068
A05	UPFM072786 1	ENSMUST00000 020161.9	Arg1	ENSMUSG00 000019987	arginase, liver Source MGI Symbol Acc MGI 88070
A06	UPFM079760 6	ENSMUST00000 023151.5	Bcl6	ENSMUSG00 000022508	B cell leukemia/lymphoma 6 Source MGI Symbol Acc MGI 107187
A07	UPFM093466 9	ENSMUST00000 000342.2	Ccl11	ENSMUSG00 000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A08	UPFM078189 8	ENSMUST00000 124916.1	Ccl12	ENSMUSG00 000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A09	UPFM098893 1	ENSMUST00000 034232.2	Ccl17	ENSMUSG00 000031780	chemokine (C-C motif) ligand 17 Source MGI Symbol Acc MGI 1329039
A10	UPFM072102 5	ENSMUST00000 034231.3	Ccl22	ENSMUSG00 000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
A11	UPFM099039 7	ENSMUST00000 004936.9	Ccl24	ENSMUSG00 000004814	chemokine (C-C motif) ligand 24 Source MGI Symbol Acc MGI 1928953
A12	UPFM064772 9	ENSMUST00000 094226.1	Ccl26	ENSMUSG00 000070464	chemokine (C-C motif) ligand 26 Source MGI Symbol Acc MGI 3589281
B01	UPFM085192 5	ENSMUST00000 019074.3	Ccl4	ENSMUSG00 000018930	chemokine (C-C motif) ligand 4 Source MGI Symbol Acc MGI 98261
B02	UPFM078318 2	ENSMUST00000 035938.2	Ccl5	ENSMUSG00 000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
B03	UPFM098372 1	ENSMUST00000 039171.8	Ccr3	ENSMUSG00 000035448	chemokine (C-C motif) receptor 3 Source MGI Symbol Acc MGI 104616
B04	UPFM092149 8	ENSMUST00000 054414.4	Ccr4	ENSMUSG00 000047898	chemokine (C-C motif) receptor 4 Source MGI Symbol Acc MGI 107824
B05	UPFM100237 6	ENSMUST00000 048777.3	Ccr8	ENSMUSG00 000042262	chemokine (C-C motif) receptor 8 Source MGI Symbol Acc MGI 1201402
B06	UPFM091836 0	ENSMUST00000 033466.1	Cd40lg	ENSMUSG00 000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
B07	UPFM071843 4	ENSMUST00000 153856.7	Chil1	ENSMUSG00 000064246	chitinase-like 1 Source MGI Symbol Acc MGI 1340899
B08	UPFM070125 2	ENSMUST00000 079132.11	Chia1	ENSMUSG00 000062778	chitinase, acidic 1 Source MGI Symbol Acc MGI 1932052
B09	UPFM075158 7	ENSMUST00000 198832.1	Clca1	ENSMUSG00 000028255	chloride channel accessory 1 Source MGI Symbol Acc MGI 1346342
B10	UPFM066899 7	ENSMUST00000 022834.6	Cma1	ENSMUSG00 000022225	chymase 1, mast cell Source MGI Symbol Acc MGI 96941
B11	UPFM084681 7	ENSMUST00000 191659.1	Cpa3	ENSMUSG00 000001865	carboxypeptidase A3, mast cell Source MGI Symbol Acc MGI 88479
B12	UPFM067588 3	ENSMUST00000 200284.4	Crif2	ENSMUSG00 000033467	cytokine receptor-like factor 2 Source MGI Symbol Acc MGI 1889506
C01	UPFM064031 3	ENSMUST00000 019060.5	Csf2	ENSMUSG00 000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
C02	UPFM077628 4	ENSMUST00000 140426.1	Csf3r	ENSMUSG00 000028859	colony stimulating factor 3 receptor (granulocyte) Source MGI Symbol Acc MGI 1339755
C03	UPFM092605 6	ENSMUST00000 064892.3	Cysl1r1	ENSMUSG00 000052821	cysteinyl leukotriene receptor 1 Source MGI Symbol Acc MGI 1926218
C04	UPFM078350 5	ENSMUST00000 061936.7	Rnase2a	ENSMUSG00 000047222	ribonuclease, RNase A family, 2A (liver, eosinophil-derived neurotoxin) Source MGI Symbol Acc MGI 1890465
C05	UPFM082444 1	ENSMUST00000 075648.3	Rnase2b	ENSMUSG00 000059606	ribonuclease, RNase A family, 2B (liver, eosinophil-derived neurotoxin) Source MGI Symbol Acc MGI 1858598
C06	UPFM089346 3	ENSMUST00000 125590.1	Epx	ENSMUSG00 000052234	eosinophil peroxidase Source MGI Symbol Acc MGI 107569
C07	UPFM073575 5	ENSMUST00000 034534.12	Ets1	ENSMUSG00 000032035	E26 avian leukemia oncogene 1, 5 domain Source MGI Symbol Acc MGI 95455
C08	UPFM095735 8	ENSMUST00000 049706.10	Fcer1a	ENSMUSG00 000005339	Fc receptor, IgE, high affinity 1, alpha polypeptide Source MGI Symbol Acc MGI 95494
C09	UPFM072970 2	ENSMUST00000 234479.1	Foxp3	ENSMUSG00 000039521	forkhead box P3 Source MGI Symbol Acc MGI 1891436
C10	UPFM070391 0	ENSMUST00000 151456.1	Gata3	ENSMUSG00 000015619	GATA binding protein 3 Source MGI Symbol Acc MGI 95663
	UPFM079518	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	1	037261.3	Ptgd2	000034117	prostaglandin D2 receptor 2 Source MGI Symbol Acc MGI 1330275
C12	UPFM0963119	ENSMUST00000102827.3	Icos	ENSMUSG0000026009	inducible T cell co-stimulator Source MGI Symbol Acc MGI 1858745
D01	UPFM1172950	ENSMUST00000068592.4	Ifng	ENSMUSG00000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D02	UPFM1007251	ENSMUST00000023687.8	Ifngr2	ENSMUSG00000022965	interferon gamma receptor 2 Source MGI Symbol Acc MGI 107654
D03	UPFM1172951	ENSMUST00000016673.5	Il10	ENSMUSG00000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D04	UPFM0831140	ENSMUST00000029345.11	Il12a	ENSMUSG00000027776	interleukin 12a Source MGI Symbol Acc MGI 96539
D05	UPFM0785020	ENSMUST000000170513.2	Il12b	ENSMUSG0000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
D06	UPFM1172952	ENSMUST00000020650.1	Il13	ENSMUSG00000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D07	UPFM0943665	ENSMUST00000033418.7	Il13ra1	ENSMUSG00000017057	interleukin 13 receptor, alpha 1 Source MGI Symbol Acc MGI 105052
D08	UPFM1172968	ENSMUST00000033646.8	Il13ra2	ENSMUSG00000031289	interleukin 13 receptor, alpha 2 Source MGI Symbol Acc MGI 1277954
D09	UPFM0881815	ENSMUST00000027061.4	Il17a	ENSMUSG00000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
D10	UPFM0848243	ENSMUST000000136726.1	Il17rb	ENSMUSG00000015966	interleukin 17 receptor B Source MGI Symbol Acc MGI 1355292
D11	UPFM0939430	ENSMUST000000180021.1	Il18	ENSMUSG00000039217	interleukin 18 Source MGI Symbol Acc MGI 107936
D12	UPFM0889583	ENSMUST000000174335.7	Il1r1	ENSMUSG00000026069	interleukin 1 receptor-like 1 Source MGI Symbol Acc MGI 98427
E01	UPFM1172953	ENSMUST00000029273.7	Il21	ENSMUSG00000027718	interleukin 21 Source MGI Symbol Acc MGI 1890474
E02	UPFM0849274	ENSMUST00000037863.5	Il25	ENSMUSG00000040770	interleukin 25 Source MGI Symbol Acc MGI 2155888
E03	UPFM0922346	ENSMUST00000028111.5	Il2ra	ENSMUSG00000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
E04	UPFM0845916	ENSMUST00000019058.5	Il3	ENSMUSG00000018914	interleukin 3 Source MGI Symbol Acc MGI 96552
E05	UPFM0691603	ENSMUST000000120388.8	Il33	ENSMUSG00000024810	interleukin 33 Source MGI Symbol Acc MGI 1924375
E06	UPFM0749944	ENSMUST000000090591.3	Il3ra	ENSMUSG00000068758	interleukin 3 receptor, alpha chain Source MGI Symbol Acc MGI 96553
E07	UPFM0959251	ENSMUST000000150568.7	Il4	ENSMUSG0000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E08	UPFM0955611	ENSMUST000000206217.1	Il4ra	ENSMUSG00000030748	interleukin 4 receptor, alpha Source MGI Symbol Acc MGI 105367
E09	UPFM0664979	ENSMUST00000048605.2	Il5	ENSMUSG00000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E10	UPFM1172956	ENSMUST000000205004.1	Il5ra	ENSMUSG0000005364	interleukin 5 receptor, alpha Source MGI Symbol Acc MGI 96558
E11	UPFM0997149	ENSMUST00000022019.3	Il9	ENSMUSG00000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
E12	UPFM0783200	ENSMUST00000009972.4	Itga4	ENSMUSG00000027009	integrin alpha 4 Source MGI Symbol Acc MGI 96603
F01	UPFM0981212	ENSMUST000000143221.1	Kit	ENSMUSG00000005672	KIT proto-oncogene receptor tyrosine kinase Source MGI Symbol Acc MGI 96677
F02	UPFM0946885	ENSMUST000000105283.8	Kitl	ENSMUSG00000019966	kit ligand Source MGI Symbol Acc MGI 96974
F03	UPFM0688086	ENSMUST000000057569.3	Ltb4r1	ENSMUSG00000046908	leukotriene B4 receptor 1 Source MGI Symbol Acc MGI 1309472
F04	UPFM0801656	ENSMUST000000109104.1	Maf	ENSMUSG00000055435	avian musculoaponeurotic fibrosarcoma oncogene homolog Source MGI Symbol Acc MGI 96909
F05	UPFM0799308	ENSMUST000000017881.2	Mmp9	ENSMUSG00000017737	matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011
F06	UPFM0620535	ENSMUST00000028045.3	Mrc1	ENSMUSG00000026712	mannose receptor, C type 1 Source MGI Symbol Acc MGI 97142
F07	UPFM0788711	ENSMUST00000025583.11	Ms4a2	ENSMUSG00000024680	membrane-spanning 4-domains, subfamily A, member 2 Source MGI Symbol Acc MGI 95495
F08	UPFM0633949	ENSMUST000000163321.2	Muc5ac	ENSMUSG00000037974	mucin 5, subtypes A and C, tracheobronchial/gastric Source MGI Symbol Acc MGI 104697
F09	UPFM0848177	ENSMUST00000027507.7	Pdcd1	ENSMUSG00000026285	programmed cell death 1 Source MGI Symbol Acc MGI 104879
F10	UPFM0745542	ENSMUST00000048621.7	Pmch	ENSMUSG00000035383	pro-melanin-concentrating hormone Source MGI Symbol Acc MGI 97629

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM089942 4	ENSMUST00000 107985.9	Postn	ENSMUSG00 000027750	periostin, osteoblast specific factor Source MGI Symbol Acc MGI 1926321
F12	UPFM084296 6	ENSMUST00000 203732.2	Pparg	ENSMUSG00 000000440	peroxisome proliferator activated receptor gamma Source MGI Symbol Acc MGI 97747
G01	UPFM098635 0	ENSMUST00000 028467.5	Prg2	ENSMUSG00 000027073	proteoglycan 2, bone marrow Source MGI Symbol Acc MGI 103294
G02	UPFM074215 4	ENSMUST00000 065666.5	Retnlg	ENSMUSG00 000022651	resistin like gamma Source MGI Symbol Acc MGI 2667763
G03	UPFM092267 4	ENSMUST00000 198793.1	Rorc	ENSMUSG00 000028150	RAR-related orphan receptor gamma Source MGI Symbol Acc MGI 104856
G04	UPFM085712 2	ENSMUST00000 133574.7	Satb1	ENSMUSG00 000023927	special AT-rich sequence binding protein 1 Source MGI Symbol Acc MGI 105084
G05	UPFM096618 6	ENSMUST00000 138083.7	Stat5a	ENSMUSG00 000004043	signal transducer and activator of transcription 5A Source MGI Symbol Acc MGI 103036
G06	UPFM075580 6	ENSMUST00000 092074.11	Stat6	ENSMUSG00 000002147	signal transducer and activator of transcription 6 Source MGI Symbol Acc MGI 103034
G07	UPFM101162 2	ENSMUST00000 001484.2	Tbx21	ENSMUSG00 000001444	T-box 21 Source MGI Symbol Acc MGI 1888984
G08	UPFM066688 0	ENSMUST00000 171757.1	Tgfb1	ENSMUSG00 000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G09	UPFM097732 6	ENSMUST00000 127377.1	Tnfrsf4	ENSMUSG00 000029075	tumor necrosis factor receptor superfamily, member 4 Source MGI Symbol Acc MGI 104512
G10	UPFM099411 2	ENSMUST00000 028024.4	Tnfsf4	ENSMUSG00 000026700	tumor necrosis factor (ligand) superfamily, member 4 Source MGI Symbol Acc MGI 104511
G11	UPFM095457 4	ENSMUST00000 234712.1	Tpsb2	ENSMUSG00 000033825	tryptase beta 2 Source MGI Symbol Acc MGI 96942
G12	UPFM068260 0	ENSMUST00000 025237.4	Tslp	ENSMUSG00 000024379	thymic stromal lymphopoietin Source MGI Symbol Acc MGI 1855696
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 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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