

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

Mouse Crohn's Disease

Cat. no. 249955 UPMM-169ZR

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	Abcb1a	Adh1	Aldob	Atg16l1	C3	Casp1	Ccl11	Ccl12	Ccl20	Ccl25	Cd5	Ccr1
B	Ccr2	Ccr5	Ccr9	Cd55	Chil1	Cldn8	Col1a2	Cr2	Csta1	Cx3d1	Cx3cr1	Cxcl1
C	Cxcl10	Cxcl11	Cxcl12	Cxcl2	Cxcl3	Cxcl9	Cxcr1	Cxcr3	Edn3	Egr3	Fpr1	Gcg
D	H2-Aa	H2-Eb1	Hsp90b1	Hspa5	Ifng	Il13	Il17a	Il1b	Il1m	Il23a	Il2ra	Il5
E	Il6	Irf5	Isg15	Ilgb2	Lcn2	Lib	Lyz1	Mmp10	Mmp12	Mmp1a	Mmp3	Mmp7
F	Muc1	Nod2	Nos2	Nr3c2	Pck1	Pecam1	Reg1	Reg2	S100a8	S100a9	Saa3	Sele
G	Selenbp1	Sell	Sod2	Stat1	Stat3	Tdo2	Tff1	Timp1	Tnf	Tyk2	Ubd	Vwf
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	UPFM078360 9	ENSMUST00000 047753.4	Abcb1a	ENSMUSG00 000040584	ATP-binding cassette, sub-family B (MDR/TAP), member 1A Source MGI Symbol Acc MGI 97570
A02	UPFM098557 8	ENSMUST00000 004232.9	Adh1	ENSMUSG00 000074207	alcohol dehydrogenase 1 (class I) Source MGI Symbol Acc MGI 87921
A03	UPFM066703 6	ENSMUST00000 029987.9	Aldob	ENSMUSG00 000028307	aldolase B, fructose-bisphosphate Source MGI Symbol Acc MGI 87995
A04	UPFM075748 8	ENSMUST00000 127884.1	Atg16l1	ENSMUSG00 000026289	autophagy related 16-like 1 (S. cerevisiae) Source MGI Symbol Acc MGI 1924290
A05	UPFM087588 6	ENSMUST00000 177046.1	C3	ENSMUSG00 000024164	complement component 3 Source MGI Symbol Acc MGI 88227
A06	UPFM095374 8	ENSMUST00000 027015.5	Casp1	ENSMUSG00 000025888	caspase 1 Source MGI Symbol Acc MGI 96544
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	UPFM075149 0	ENSMUST00000 027351.12	Ccl20	ENSMUSG00 000026166	chemokine (C-C motif) ligand 20 Source MGI Symbol Acc MGI 1329031
A10	UPFM082576 2	ENSMUST00000 024004.8	Ccl25	ENSMUSG00 000023235	chemokine (C-C motif) ligand 25 Source MGI Symbol Acc MGI 1099448
A11	UPFM078318 2	ENSMUST00000 035938.2	Ccl5	ENSMUSG00 000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
A12	UPFM098127 6	ENSMUST00000 026911.5	Ccr1	ENSMUSG00 000025804	chemokine (C-C motif) receptor 1 Source MGI Symbol Acc MGI 104618
B01	UPFM064396 1	ENSMUST00000 168841.2	Ccr2	ENSMUSG00 000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
B02	UPFM078922 4	ENSMUST00000 111442.2	Ccr5	ENSMUSG00 000079227	chemokine (C-C motif) receptor 5 Source MGI Symbol Acc MGI 107182
B03	UPFM084993 4	ENSMUST00000 180093.1	Ccr9	ENSMUSG00 000029530	chemokine (C-C motif) receptor 9 Source MGI Symbol Acc MGI 1341902
B04	UPFM098904 0	ENSMUST00000 122830.1	Cd55	ENSMUSG00 000026399	CD55 molecule, decay accelerating factor for complement Source MGI Symbol Acc MGI 104850
B05	UPFM071843 4	ENSMUST00000 153856.7	Chil1	ENSMUSG00 000064246	chitinase-like 1 Source MGI Symbol Acc MGI 1340899
B06	UPFM066196 1	ENSMUST00000 049697.4	Cldn8	ENSMUSG00 000050520	claudin 8 Source MGI Symbol Acc MGI 1859286
B07	UPFM081902 3	ENSMUST00000 132029.1	Col1a2	ENSMUSG00 000029661	collagen, type I, alpha 2 Source MGI Symbol Acc MGI 88468
B08	UPFM078755 5	ENSMUST00000 195737.1	Cr2	ENSMUSG00 000026616	complement receptor 2 Source MGI Symbol Acc MGI 88489
B09	UPFM093448 0	ENSMUST00000 161638.1	Csta1	ENSMUSG00 000034362	cystatin A1 Source MGI Symbol Acc MGI 3524930
B10	UPFM069455 3	ENSMUST00000 150307.1	Cx3cl1	ENSMUSG00 000031778	chemokine (C-X3-C motif) ligand 1 Source MGI Symbol Acc MGI 1097153
B11	UPFM090665 5	ENSMUST00000 215016.1	Cx3cr1	ENSMUSG00 000052336	chemokine (C-X3-C motif) receptor 1 Source MGI Symbol Acc MGI 1333815
B12	UPFM097448 9	ENSMUST00000 031327.8	Cxcl1	ENSMUSG00 000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
C01	UPFM098980 6	ENSMUST00000 038816.12	Cxcl10	ENSMUSG00 000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
C02	UPFM089321 1	ENSMUST00000 122808.1	Cxcl11	ENSMUSG00 000060183	chemokine (C-X-C motif) ligand 11 Source MGI Symbol Acc MGI 1860203
C03	UPFM084136 8	ENSMUST00000 112871.7	Cxcl12	ENSMUSG00 000061353	chemokine (C-X-C motif) ligand 12 Source MGI Symbol Acc MGI 103556
C04	UPFM067324 0	ENSMUST00000 200919.1	Cxcl2	ENSMUSG00 000058427	chemokine (C-X-C motif) ligand 2 Source MGI Symbol Acc MGI 1340094
C05	UPFM117294 8	ENSMUST00000 031326.9	Cxcl3	ENSMUSG00 000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
C06	UPFM094088 9	ENSMUST00000 202404.1	Cxcl9	ENSMUSG00 000029417	chemokine (C-X-C motif) ligand 9 Source MGI Symbol Acc MGI 1352449
C07	UPFM072686 7	ENSMUST00000 190313.1	Cxcr1	ENSMUSG00 000048480	chemokine (C-X-C motif) receptor 1 Source MGI Symbol Acc MGI 2448715
C08	UPFM074415 9	ENSMUST00000 056614.6	Cxcr3	ENSMUSG00 000050232	chemokine (C-X-C motif) receptor 3 Source MGI Symbol Acc MGI 1277207
C09	UPFM062245 3	ENSMUST00000 029030.8	Edn3	ENSMUSG00 000027524	endothelin 3 Source MGI Symbol Acc MGI 95285
C10	UPFM081883 4	ENSMUST00000 225200.1	Egr3	ENSMUSG00 000033730	early growth response 3 Source MGI Symbol Acc MGI 1306780
	UPFM068886	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	6	061516.7	Fpr1	000045551	formyl peptide receptor 1 Source MGI Symbol Acc MGI 107443
C12	UPFM079261 6	ENSMUST00000 136686.1	Gcg	ENSMUSG00 000000394	glucagon Source MGI Symbol Acc MGI 95674
D01	UPFM074073 9	ENSMUST00000 040655.13	H2-Aa	ENSMUSG00 000036594	histocompatibility 2, class II antigen A, alpha Source MGI Symbol Acc MGI 95895
D02	UPFM085115 0	ENSMUST00000 074557.10	H2-Eb1	ENSMUSG00 000060586	histocompatibility 2, class II antigen E beta Source MGI Symbol Acc MGI 95901
D03	UPFM077168 0	ENSMUST00000 129413.1	Hsp90b1	ENSMUSG00 000020048	heat shock protein 90, beta (Grp94), member 1 Source MGI Symbol Acc MGI 98817
D04	UPFM100460 3	ENSMUST00000 100171.2	Hspa5	ENSMUSG00 000026864	heat shock protein 5 Source MGI Symbol Acc MGI 95835
D05	UPFM117295 0	ENSMUST00000 068592.4	Iifng	ENSMUSG00 000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D06	UPFM117295 2	ENSMUST00000 020650.1	Il13	ENSMUSG00 000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D07	UPFM088181 5	ENSMUST00000 027061.4	Il17a	ENSMUSG00 000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
D08	UPFM067128 1	ENSMUST00000 155994.1	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D09	UPFM079938 9	ENSMUST00000 114485.8	Il1rn	ENSMUSG00 000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
D10	UPFM117295 4	ENSMUST00000 026449.2	Il23a	ENSMUSG00 000025383	interleukin 23, alpha subunit p19 Source MGI Symbol Acc MGI 1932410
D11	UPFM092234 6	ENSMUST00000 028111.5	Il2ra	ENSMUSG00 000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
D12	UPFM066497 9	ENSMUST00000 048605.2	Il5	ENSMUSG00 000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E01	UPFM072909 9	ENSMUST00000 195978.4	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E02	UPFM079524 6	ENSMUST00000 164922.2	Irf5	ENSMUSG00 000029771	interferon regulatory factor 5 Source MGI Symbol Acc MGI 1350924
E03	UPFM079289 6	ENSMUST00000 085425.4	Isg15	ENSMUSG00 000035692	ISG15 ubiquitin-like modifier Source MGI Symbol Acc MGI 1855694
E04	UPFM083841 4	ENSMUST00000 156644.7	Itgb2	ENSMUSG00 000000290	integrin beta 2 Source MGI Symbol Acc MGI 96611
E05	UPFM068576 0	ENSMUST00000 147219.1	Lcn2	ENSMUSG00 000026822	lipocalin 2 Source MGI Symbol Acc MGI 96757
E06	UPFM116666 3	ENSMUST00000 173600.1	Ltb	ENSMUSG00 000024399	lymphotoxin B Source MGI Symbol Acc MGI 104796
E07	UPFM082290 3	ENSMUST00000 092162.6	Lyz1	ENSMUSG00 000069515	lysozyme 1 Source MGI Symbol Acc MGI 96902
E08	UPFM065982 8	ENSMUST00000 034488.3	Mmp10	ENSMUSG00 000047562	matrix metalloproteinase 10 Source MGI Symbol Acc MGI 97007
E09	UPFM085510 4	ENSMUST00000 065079.5	Mmp12	ENSMUSG00 000049723	matrix metalloproteinase 12 Source MGI Symbol Acc MGI 97005
E10	UPFM093736 0	ENSMUST00000 217651.1	Mmp1a	ENSMUSG00 000043089	matrix metalloproteinase 1a (interstitial collagenase) Source MGI Symbol Acc MGI 1933846
E11	UPFM079125 8	ENSMUST00000 034497.7	Mmp3	ENSMUSG00 000043613	matrix metalloproteinase 3 Source MGI Symbol Acc MGI 97010
E12	UPFM090007 1	ENSMUST00000 018767.7	Mmp7	ENSMUSG00 000018623	matrix metalloproteinase 7 Source MGI Symbol Acc MGI 103189
F01	UPFM073058 5	ENSMUST00000 041142.3	Muc1	ENSMUSG00 000042784	mucin 1, transmembrane Source MGI Symbol Acc MGI 97231
F02	UPFM065455 6	ENSMUST00000 118370.7	Nod2	ENSMUSG00 000055994	nucleotide-binding oligomerization domain containing 2 Source MGI Symbol Acc MGI 2429397
F03	UPFM076964 2	ENSMUST00000 208783.1	Nos2	ENSMUSG00 000020826	nitric oxide synthase 2, inducible Source MGI Symbol Acc MGI 97361
F04	UPFM065243 3	ENSMUST00000 109913.8	Nr3c2	ENSMUSG00 000031618	nuclear receptor subfamily 3, group C, member 2 Source MGI Symbol Acc MGI 99459
F05	UPFM090146 6	ENSMUST00000 150629.7	Pck1	ENSMUSG00 000027513	phosphoenolpyruvate carboxykinase 1, cytosolic Source MGI Symbol Acc MGI 97501
F06	UPFM095037 6	ENSMUST00000 068021.8	Pecam1	ENSMUSG00 000020717	platelet/endothelial cell adhesion molecule 1 Source MGI Symbol Acc MGI 97537
F07	UPFM074903 7	ENSMUST00000 204687.2	Reg1	ENSMUSG00 000059654	regenerating islet-derived 1 Source MGI Symbol Acc MGI 97895
F08	UPFM099892 2	ENSMUST00000 023906.3	Reg2	ENSMUSG00 000023140	regenerating islet-derived 2 Source MGI Symbol Acc MGI 97896
F09	UPFM084819 8	ENSMUST00000 069927.9	S100a8	ENSMUSG00 000056054	S100 calcium binding protein A8 (calgranulin A) Source MGI Symbol Acc MGI 88244
F10	UPFM079837 4	ENSMUST00000 069960.11	S100a9	ENSMUSG00 000056071	S100 calcium binding protein A9 (calgranulin B) Source MGI Symbol Acc MGI 1338947

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM081721 5	ENSMUST00000 211660.1	Saa3	ENSMUSG00 000040026	serum amyloid A 3 Source MGI Symbol Acc MGI 98223
F12	UPFM094696 9	ENSMUST00000 027874.5	Sele	ENSMUSG00 000026582	selectin, endothelial cell Source MGI Symbol Acc MGI 98278
G01	UPFM079269 0	ENSMUST00000 090839.11	Selenbp1	ENSMUSG00 000068874	selenium binding protein 1 Source MGI Symbol Acc MGI 96825
G02	UPFM077751 1	ENSMUST00000 097491.9	Sell	ENSMUSG00 000026581	selectin, lymphocyte Source MGI Symbol Acc MGI 98279
G03	UPFM095033 7	ENSMUST00000 233897.1	Sod2	ENSMUSG00 000006818	superoxide dismutase 2, mitochondrial Source MGI Symbol Acc MGI 98352
G04	UPFM071531 5	ENSMUST00000 186574.6	Stat1	ENSMUSG00 000026104	signal transducer and activator of transcription 1 Source MGI Symbol Acc MGI 103063
G05	UPFM098484 5	ENSMUST00000 092671.11	Stat3	ENSMUSG00 000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G06	UPFM079062 1	ENSMUST00000 137974.1	Tdo2	ENSMUSG00 000028011	tryptophan 2,3-dioxygenase Source MGI Symbol Acc MGI 1928486
G07	UPFM063062 7	ENSMUST00000 024831.7	Tff1	ENSMUSG00 000024032	trefoil factor 1 Source MGI Symbol Acc MGI 88135
G08	UPFM079676 3	ENSMUST00000 009530.4	Timp1	ENSMUSG00 000001131	tissue inhibitor of metalloproteinase 1 Source MGI Symbol Acc MGI 98752
G09	UPFM063847 1	ENSMUST00000 025263.14	Tnf	ENSMUSG00 000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G10	UPFM093815 1	ENSMUST00000 216874.1	Tyk2	ENSMUSG00 000032175	tyrosine kinase 2 Source MGI Symbol Acc MGI 1929470
G11	UPFM088594 4	ENSMUST00000 038844.6	Ubd	ENSMUSG00 000035186	ubiquitin D Source MGI Symbol Acc MGI 1344410
G12	UPFM094390 4	ENSMUST00000 112253.5	Vwf	ENSMUSG00 000001930	Von Willebrand factor Source MGI Symbol Acc MGI 98941
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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