

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

Mouse Crohn's Disease

Cat. no. 249950 SBMM-169ZR

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	Abcb1a	Adh1	Aldob	Atg16l1	C3	Casp1	Ccl11	Ccl12	Cd20	Cd25	Cd5	Ccr1
B	Ccr2	Ccr5	Ccr9	Cd55	Chil1	Cldn8	Colla2	Cr2	Csta1	Cx3cl1	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	Ltb	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 PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM1065613	ENSMUST00000126846.1	Abcb1a	ENSMUSG0000040584	ATP-binding cassette, sub-family B (MDR/TAP), member 1A Source MGI Symbol Acc MGI 97570
A02	SBM0686762	ENSMUST00000004232.9	Adh1	ENSMUSG0000074207	alcohol dehydrogenase 1 (class I) Source MGI Symbol Acc MGI 87921
A03	SBM1032723	ENSMUST00000029987.9	Aldob	ENSMUSG0000028307	aldolase B, fructose-bisphosphate Source MGI Symbol Acc MGI 87995
A04	SBM0936237	ENSMUST00000151037.7	Atg16l1	ENSMUSG0000026289	autophagy related 16-like 1 (S. cerevisiae) Source MGI Symbol Acc MGI 1924290
A05	SBM0754550	ENSMUST00000024988.14	C3	ENSMUSG0000024164	complement component 3 Source MGI Symbol Acc MGI 88227
A06	SBM0862549	ENSMUST00000027015.5	Casp1	ENSMUSG0000025888	caspase 1 Source MGI Symbol Acc MGI 96544
A07	SBM0757192	ENSMUST00000000342.2	Ccl11	ENSMUSG0000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A08	SBM0687223	ENSMUST00000000194.3	Ccl12	ENSMUSG0000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A09	SBM1058215	ENSMUST00000113437.8	Ccl20	ENSMUSG0000026166	chemokine (C-C motif) ligand 20 Source MGI Symbol Acc MGI 1329031
A10	SBM0940693	ENSMUST00000155797.7	Ccl25	ENSMUSG0000023235	chemokine (C-C motif) ligand 25 Source MGI Symbol Acc MGI 1099448
A11	SBM0703029	ENSMUST00000125015.1	Ccl5	ENSMUSG0000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
A12	SBM1015405	ENSMUST00000026911.5	Ccr1	ENSMUSG0000025804	chemokine (C-C motif) receptor 1 Source MGI Symbol Acc MGI 104618
B01	SBM0796638	ENSMUST00000168841.2	Ccr2	ENSMUSG0000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
B02	SBM0964476	ENSMUST00000111442.2	Ccr5	ENSMUSG0000079227	chemokine (C-C motif) receptor 5 Source MGI Symbol Acc MGI 107182
B03	SBM0943888	ENSMUST00000180093.1	Ccr9	ENSMUSG0000029530	chemokine (C-C motif) receptor 9 Source MGI Symbol Acc MGI 1341902
B04	SBM0875337	ENSMUST00000027650.12	Cd55	ENSMUSG0000026399	CD55 molecule, decay accelerating factor for complement Source MGI Symbol Acc MGI 104850
B05	SBM0945906	ENSMUST00000144819.1	Chil1	ENSMUSG0000064246	chitinase-like 1 Source MGI Symbol Acc MGI 1340899
B06	SBM0887355	ENSMUST00000049697.4	Cldn8	ENSMUSG0000050520	claudin 8 Source MGI Symbol Acc MGI 1859286
B07	SBM0673080	ENSMUST00000132029.1	Col1a2	ENSMUSG0000029661	collagen, type I, alpha 2 Source MGI Symbol Acc MGI 88468
B08	SBM0783110	ENSMUST00000195737.1	Cr2	ENSMUSG0000026616	complement receptor 2 Source MGI Symbol Acc MGI 88489
B09	SBM0840335	ENSMUST00000161638.1	Csta1	ENSMUSG0000034362	cystatin A1 Source MGI Symbol Acc MGI 3524930
B10	SBM0783722	ENSMUST00000034230.6	Cx3cl1	ENSMUSG0000031778	chemokine (C-X3-C motif) ligand 1 Source MGI Symbol Acc MGI 1097153
B11	SBM0805014	ENSMUST00000177637.1	Cx3cr1	ENSMUSG0000052336	chemokine (C-X3-C motif) receptor 1 Source MGI Symbol Acc MGI 1333815
B12	SBM0998835	ENSMUST00000031327.8	Cxcl1	ENSMUSG0000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
C01	SBM0996179	ENSMUST00000118006.2	Cxcl10	ENSMUSG0000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
C02	SBM0710486	ENSMUST00000122808.1	Cxcl11	ENSMUSG0000060183	chemokine (C-X-C motif) ligand 11 Source MGI Symbol Acc MGI 1860203
C03	SBM0703161	ENSMUST00000134244.1	Cxcl12	ENSMUSG0000061353	chemokine (C-X-C motif) ligand 12 Source MGI Symbol Acc MGI 103556
C04	SBM0694289	ENSMUST00000075433.7	Cxcl2	ENSMUSG0000058427	chemokine (C-X-C motif) ligand 2 Source MGI Symbol Acc MGI 1340094
C05	SBM0747228	ENSMUST00000201840.1	Cxcl3	ENSMUSG0000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
C06	SBM0993686	ENSMUST00000113093.4	Cxcl9	ENSMUSG0000029417	chemokine (C-X-C motif) ligand 9 Source MGI Symbol Acc MGI 1352449
C07	SBM1001723	ENSMUST00000190313.1	Cxcr1	ENSMUSG0000048480	chemokine (C-X-C motif) receptor 1 Source MGI Symbol Acc MGI 2448715
C08	SBM0682187	ENSMUST00000056614.6	Cxcr3	ENSMUSG0000050232	chemokine (C-X-C motif) receptor 3 Source MGI Symbol Acc MGI 1277207
C09	SBM0744291	ENSMUST00000140908.1	Edn3	ENSMUSG0000027524	endothelin 3 Source MGI Symbol Acc MGI 95285
C10	SBM0735904	ENSMUST00000035908.2	Egr3	ENSMUSG0000033730	early growth response 3 Source MGI Symbol Acc MGI 1306780
		ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0834450	061516.7	Fpr1	000045551	formyl peptide receptor 1 Source MGI Symbol Acc MGI 107443
C12	SBM0711962	ENSMUST00000155624.1	Gcg	ENSMUSG0000000394	glucagon Source MGI Symbol Acc MGI 95674
D01	SBM1014234	ENSMUST00000174751.1	H2-Aa	ENSMUSG00000036594	histocompatibility 2, class II antigen A, alpha Source MGI Symbol Acc MGI 95895
D02	SBM0825899	ENSMUST00000235530.1	H2-Eb1	ENSMUSG00000060586	histocompatibility 2, class II antigen E beta Source MGI Symbol Acc MGI 95901
D03	SBM0747618	ENSMUST00000129178.7	Hsp90b1	ENSMUSG00000020048	heat shock protein 90, beta (Grp94), member 1 Source MGI Symbol Acc MGI 98817
D04	SBM1001113	ENSMUST00000145466.1	Hspa5	ENSMUSG00000026864	heat shock protein 5 Source MGI Symbol Acc MGI 95835
D05	SBM0903694	ENSMUST00000068592.4	Ifng	ENSMUSG00000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D06	SBM0860496	ENSMUST00000020650.1	Il13	ENSMUSG00000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D07	SBM1055424	ENSMUST00000027061.4	Il17a	ENSMUSG00000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
D08	SBM0738485	ENSMUST00000028881.13	Il1b	ENSMUSG00000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D09	SBM0732530	ENSMUST00000142093.6	Il1rn	ENSMUSG00000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
D10	SBM0691721	ENSMUST000000218109.1	Il23a	ENSMUSG00000025383	interleukin 23, alpha subunit p19 Source MGI Symbol Acc MGI 1932410
D11	SBM1067326	ENSMUST00000028111.5	Il2ra	ENSMUSG00000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
D12	SBM1034588	ENSMUST00000048605.2	Il5	ENSMUSG00000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E01	SBM0742623	ENSMUST00000026845.11	Il6	ENSMUSG00000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E02	SBM0896474	ENSMUST00000163511.6	Irf5	ENSMUSG00000029771	interferon regulatory factor 5 Source MGI Symbol Acc MGI 1350924
E03	SBM1019263	ENSMUST00000085425.4	Isg15	ENSMUSG00000035692	ISG15 ubiquitin-like modifier Source MGI Symbol Acc MGI 1855694
E04	SBM0947975	ENSMUST00000131023.7	Itgb2	ENSMUSG00000000290	integrin beta 2 Source MGI Symbol Acc MGI 96611
E05	SBM0689303	ENSMUST00000050785.13	Lcn2	ENSMUSG00000026822	lipocalin 2 Source MGI Symbol Acc MGI 96757
E06	SBM0777783	ENSMUST00000173510.1	Ltb	ENSMUSG00000024399	lymphotoxin B Source MGI Symbol Acc MGI 104796
E07	SBM1004793	ENSMUST00000092162.6	Lyz1	ENSMUSG00000069515	lysozyme 1 Source MGI Symbol Acc MGI 96902
E08	SBM0917028	ENSMUST00000034488.3	Mmp10	ENSMUSG00000047562	matrix metalloproteinase 10 Source MGI Symbol Acc MGI 97007
E09	SBM1025739	ENSMUST00000065079.5	Mmp12	ENSMUSG00000049723	matrix metalloproteinase 12 Source MGI Symbol Acc MGI 97005
E10	SBM0888476	ENSMUST00000034492.5	Mmp1a	ENSMUSG00000043089	matrix metalloproteinase 1a (interstitial collagenase) Source MGI Symbol Acc MGI 1933846
E11	SBM1025609	ENSMUST00000034497.7	Mmp3	ENSMUSG00000043613	matrix metalloproteinase 3 Source MGI Symbol Acc MGI 97010
E12	SBM0709342	ENSMUST00000018767.7	Mmp7	ENSMUSG00000018623	matrix metalloproteinase 7 Source MGI Symbol Acc MGI 103189
F01	SBM1063614	ENSMUST00000139206.1	Muc1	ENSMUSG00000042784	mucin 1, transmembrane Source MGI Symbol Acc MGI 97231
F02	SBM1075105	ENSMUST00000054324.14	Nod2	ENSMUSG00000055994	nucleotide-binding oligomerization domain containing 2 Source MGI Symbol Acc MGI 2429397
F03	SBM0835086	ENSMUST00000208783.1	Nos2	ENSMUSG00000020826	nitric oxide synthase 2, inducible Source MGI Symbol Acc MGI 97361
F04	SBM0952962	ENSMUST00000109911.7	Nr3c2	ENSMUSG00000031618	nuclear receptor subfamily 3, group C, member 2 Source MGI Symbol Acc MGI 99459
F05	SBM0953267	ENSMUST00000029017.5	Pck1	ENSMUSG00000027513	phosphoenolpyruvate carboxykinase 1, cytosolic Source MGI Symbol Acc MGI 97501
F06	SBM1044090	ENSMUST00000068021.8	Pecam1	ENSMUSG00000020717	platelet/endothelial cell adhesion molecule 1 Source MGI Symbol Acc MGI 97537
F07	SBM1001498	ENSMUST00000204687.2	Reg1	ENSMUSG00000059654	regenerating islet-derived 1 Source MGI Symbol Acc MGI 97895
F08	SBM0888833	ENSMUST00000023906.3	Reg2	ENSMUSG00000023140	regenerating islet-derived 2 Source MGI Symbol Acc MGI 97896
F09	SBM0822839	ENSMUST00000198156.1	S100a8	ENSMUSG00000056054	S100 calcium binding protein A8 (calgranulin A) Source MGI Symbol Acc MGI 88244
F10	SBM0735988	ENSMUST00000117167.1	S100a9	ENSMUSG00000056071	S100 calcium binding protein A9 (calgranulin B) Source MGI Symbol Acc MGI 1338947

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0836459	ENSMUST00000006956.8	Saa3	ENSMUSG0000040026	serum amyloid A 3 Source MGI Symbol Acc MGI 98223
F12	SBM0765795	ENSMUST00000027874.5	Sele	ENSMUSG0000026582	selectin, endothelial cell Source MGI Symbol Acc MGI 98278
G01	SBM0986190	ENSMUST00000140757.7	Selenbp1	ENSMUSG0000068874	selenium binding protein 1 Source MGI Symbol Acc MGI 96825
G02	SBM0975834	ENSMUST00000097491.9	Sell	ENSMUSG0000026581	selectin, lymphocyte Source MGI Symbol Acc MGI 98279
G03	SBM1063571	ENSMUST00000233791.1	Sod2	ENSMUSG0000006818	superoxide dismutase 2, mitochondrial Source MGI Symbol Acc MGI 98352
G04	SBM0954168	ENSMUST00000070968.13	Stat1	ENSMUSG0000026104	signal transducer and activator of transcription 1 Source MGI Symbol Acc MGI 103063
G05	SBM0821931	ENSMUST00000103114.7	Stat3	ENSMUSG0000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G06	SBM1092622	ENSMUST00000137974.1	Tdo2	ENSMUSG0000028011	tryptophan 2,3-dioxygenase Source MGI Symbol Acc MGI 1928486
G07	SBM0790771	ENSMUST00000024831.7	Tff1	ENSMUSG0000024032	trefoil factor 1 Source MGI Symbol Acc MGI 88135
G08	SBM0839007	ENSMUST00000115342.9	Timp1	ENSMUSG0000001131	tissue inhibitor of metalloproteinase 1 Source MGI Symbol Acc MGI 98752
G09	SBM0788439	ENSMUST00000025263.14	Tnf	ENSMUSG0000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G10	SBM0927410	ENSMUST00000214454.1	Tyk2	ENSMUSG0000032175	tyrosine kinase 2 Source MGI Symbol Acc MGI 1929470
G11	SBM1022934	ENSMUST00000038844.6	Ubd	ENSMUSG0000035186	ubiquitin D Source MGI Symbol Acc MGI 1344410
G12	SBM0711301	ENSMUST00000150548.7	Vwf	ENSMUSG0000001930	Von Willebrand factor Source MGI Symbol Acc MGI 98941
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.

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