

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

Human Crohn's Disease

Cat. no. 249950 SBHS-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	ABCB1	ALDOB	ATG16L1	C3	C4BPB	CASP1	CCL11	CCL2	CCL20	CCL25	CCL5	CCR1
B	CCR2	CCR5	CCR9	CD55	CHI3L1	CR2	CSTA	CX3CL1	CX3CR1	CXCL1	CXCL10	CXCL11
C	CXCL12	CXCL2	CXCL3	CXCL9	CXCR1	CXCR3	DEFA5	DEFA6	EDN3	EGR3	FPR1	GCG
D	HLA-DQA1	HLA-DRA	HLA-DRB1	HSP90B1	HSPA5	IFNG	IL13	IL17A	IL1B	IL1RN	IL23A	IL2RA
E	IL5	IL6	CXCL8	IRF5	ISG15	ITGB2	LCN2	LTB	LYZ	MMP1	MMP10	MMP3
F	MMP7	MUC1	NOD2	NOS2	NR3C2	PCK1	PECAM1	REG1A	REG1B	S100A8	S100A9	SAA1
G	SELE	SELL	SOD2	STAT1	STAT3	TDO2	TFF1	TIMP1	TNF	TYK2	UBD	VWF
H	ACTB	B2M	GAPDH	HPRT1	RPLP0	HGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBH0346091	ENST00000622132.4	ABCB1	ENSG00000085563	ATP binding cassette subfamily B member 1 Source HGNC Symbol Acc HGNC 40
A02	SBH0054167	ENST00000374855.8	ALDOB	ENSG00000136872	aldolase, fructose-bisphosphate B Source HGNC Symbol Acc HGNC 417
A03	SBH0591150	ENST00000392020.8	ATG16L1	ENSG00000085978	autophagy related 16 like 1 Source HGNC Symbol Acc HGNC 21498
A04	SBH0244130	ENST00000245907.10	C3	ENSG00000125730	complement C3 Source HGNC Symbol Acc HGNC 1318
A05	SBH0307563	ENST00000469326.1	C4BPB	ENSG00000123843	complement component 4 binding protein beta Source HGNC Symbol Acc HGNC 1328
A06	SBH0054226	ENST00000526568.5	CASP1	ENSG00000137752	caspase 1 Source HGNC Symbol Acc HGNC 1499
A07	SBH0204041	ENST00000305869.3	CCL11	ENSG00000172156	C-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10610
A08	SBH0228134	ENST00000225831.4	CCL2	ENSG00000108691	C-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 10618
A09	SBH1219834	ENST00000409189.7	CCL20	ENSG00000115009	C-C motif chemokine ligand 20 Source HGNC Symbol Acc HGNC 10619
A10	SBH0405449	ENST00000390669.7	CCL25	ENSG00000131142	C-C motif chemokine ligand 25 Source HGNC Symbol Acc HGNC 10624
A11	SBH1219840	ENST00000603197.6	CCL5	ENSG00000271503	C-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10632
A12	SBH1219851	ENST00000296140.4	CCR1	ENSG00000163823	C-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 1602
B01	SBH0387563	ENST00000445132.2	CCR2	ENSG00000121807	C-C motif chemokine receptor 2 Source HGNC Symbol Acc HGNC 1603
B02	SBH1219854	ENST00000292303.4	CCR5	ENSG00000160791	C-C motif chemokine receptor 5 (gene/pseudogene) Source HGNC Symbol Acc HGNC 1606
B03	SBH0201575	ENST00000357632.7	CCR9	ENSG00000173585	C-C motif chemokine receptor 9 Source HGNC Symbol Acc HGNC 1610
B04	SBH0652558	ENST00000476590.1	CD55	ENSG00000196352	CD55 molecule (Cromer blood group) Source HGNC Symbol Acc HGNC 2665
B05	SBH0231136	ENST00000404436.2	CHI3L1	ENSG00000133048	chitinase 3 like 1 Source HGNC Symbol Acc HGNC 1932
B06	SBH0549037	ENST00000367058.7	CR2	ENSG00000117322	complement C3d receptor 2 Source HGNC Symbol Acc HGNC 2336
B07	SBH0054988	ENST00000479204.1	CSTA	ENSG00000121552	cystatin A Source HGNC Symbol Acc HGNC 2481
B08	SBH1219926	ENST00000563383.1	CX3CL1	ENSG00000006210	C-X3-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 10647
B09	SBH0005890	ENST00000399220.2	CX3CR1	ENSG00000168329	C-X3-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 2558
B10	SBH0404660	ENST00000395761.3	CXCL1	ENSG00000163739	C-X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 4602
B11	SBH1219927	ENST00000306602.3	CXCL10	ENSG00000169245	C-X-C motif chemokine ligand 10 Source HGNC Symbol Acc HGNC 10637
B12	SBH0419056	ENST00000306621.7	CXCL11	ENSG00000169248	C-X-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10638
C01	SBH0010818	ENST00000374429.6	CXCL12	ENSG00000107562	C-X-C motif chemokine ligand 12 Source HGNC Symbol Acc HGNC 10672
C02	SBH1219929	ENST00000508487.3	CXCL2	ENSG00000081041	C-X-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 4603
C03	SBH0584763	ENST00000296026.4	CXCL3	ENSG00000163734	C-X-C motif chemokine ligand 3 Source HGNC Symbol Acc HGNC 4604
C04	SBH0383348	ENST00000264888.5	CXCL9	ENSG00000138755	C-X-C motif chemokine ligand 9 Source HGNC Symbol Acc HGNC 7098
C05	SBH0591583	ENST00000295683.2	CXCR1	ENSG00000163464	C-X-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 6026
C06	SBH1219934	ENST00000373693.4	CXCR3	ENSG00000186810	C-X-C motif chemokine receptor 3 Source HGNC Symbol Acc HGNC 4540
C07	SBH0318097	ENST00000330590.4	DEFA5	ENSG00000164816	defensin alpha 5 Source HGNC Symbol Acc HGNC 2764
C08	SBH0459364	ENST00000297436.3	DEFA6	ENSG00000164822	defensin alpha 6 Source HGNC Symbol Acc HGNC 2765
C09	SBH0379005	ENST00000371028.6	EDN3	ENSG00000124205	endothelin 3 Source HGNC Symbol Acc HGNC 3178
C10	SBH0457320	ENST00000518773.1	EGR3	ENSG00000179388	early growth response 3 Source HGNC Symbol Acc HGNC 3240
		ENST00000304		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBH0123964	748.4	FPR1	171051	formyl peptide receptor 1 Source HGNC Symbol Acc HGNC 3826
C12	SBH0328879	ENST00000497568.1	GCG	ENSG00000115263	glucagon Source HGNC Symbol Acc HGNC 4191
D01	SBH0441539	ENST00000343139.9	HLA-DQA1	ENSG00000196735	major histocompatibility complex, class II, DQ alpha 1 Source HGNC Symbol Acc HGNC 4942
D02	SBH0488935	ENST00000374982.5	HLA-DRA	ENSG00000204287	major histocompatibility complex, class II, DR alpha Source HGNC Symbol Acc HGNC 4947
D03	SBH0052009	ENST00000360004.5	HLA-DRB1	ENSG00000196126	major histocompatibility complex, class II, DR beta 1 Source HGNC Symbol Acc HGNC 4948
D04	SBH1220070	ENST00000299767.10	HSP90B1	ENSG00000166598	heat shock protein 90 beta family member 1 Source HGNC Symbol Acc HGNC 12028
D05	SBH1220072	ENST00000324460.7	HSPA5	ENSG00000044574	heat shock protein family A (Hsp70) member 5 Source HGNC Symbol Acc HGNC 5238
D06	SBH1220090	ENST00000229135.4	IFNG	ENSG00000111537	interferon gamma Source HGNC Symbol Acc HGNC 5438
D07	SBH0375568	ENST00000304506.7	IL13	ENSG00000169194	interleukin 13 Source HGNC Symbol Acc HGNC 5973
D08	SBH0451354	ENST00000340057.1	IL17A	ENSG00000112115	interleukin 17A Source HGNC Symbol Acc HGNC 5981
D09	SBH0079231	ENST00000263341.6	IL1B	ENSG00000125538	interleukin 1 beta Source HGNC Symbol Acc HGNC 5992
D10	SBH0473919	ENST00000354115.6	IL1RN	ENSG00000136689	interleukin 1 receptor antagonist Source HGNC Symbol Acc HGNC 6000
D11	SBH1220107	ENST00000228534.6	IL23A	ENSG00000110944	interleukin 23 subunit alpha Source HGNC Symbol Acc HGNC 15488
D12	SBH0567688	ENST00000447847.1	IL2RA	ENSG00000134460	interleukin 2 receptor subunit alpha Source HGNC Symbol Acc HGNC 6008
E01	SBH1220110	ENST00000231454.6	IL5	ENSG00000113525	interleukin 5 Source HGNC Symbol Acc HGNC 6016
E02	SBH1220111	ENST00000401630.7	IL6	ENSG00000136244	interleukin 6 Source HGNC Symbol Acc HGNC 6018
E03	SBH1219932	ENST00000401931.1	CXCL8	ENSG00000169429	C-X-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 6025
E04	SBH1220125	ENST00000357234.10	IRF5	ENSG00000128604	interferon regulatory factor 5 Source HGNC Symbol Acc HGNC 6120
E05	SBH0407556	ENST00000649529.1	ISG15	ENSG00000187608	ISG15 ubiquitin-like modifier Source HGNC Symbol Acc HGNC 4053
E06	SBH0032107	ENST00000397857.5	ITGB2	ENSG00000160255	integrin subunit beta 2 Source HGNC Symbol Acc HGNC 6155
E07	SBH0084573	ENST00000494317.1	LCN2	ENSG00000148346	lipocalin 2 Source HGNC Symbol Acc HGNC 6526
E08	SBH1220578	ENST00000429299.2	LTB	ENSG00000227507	lymphotoxin beta Source HGNC Symbol Acc HGNC 6711
E09	SBH1220184	ENST00000261267.6	LYZ	ENSG00000090382	lysozyme Source HGNC Symbol Acc HGNC 6740
E10	SBH1220215	ENST00000315274.7	MMP1	ENSG00000196611	matrix metalloproteinase 1 Source HGNC Symbol Acc HGNC 7155
E11	SBH1220216	ENST00000279441.9	MMP10	ENSG00000166670	matrix metalloproteinase 10 Source HGNC Symbol Acc HGNC 7156
E12	SBH1220223	ENST00000299855.10	MMP3	ENSG00000149968	matrix metalloproteinase 3 Source HGNC Symbol Acc HGNC 7173
F01	SBH1220224	ENST00000260227.5	MMP7	ENSG00000137673	matrix metalloproteinase 7 Source HGNC Symbol Acc HGNC 7174
F02	SBH0571256	ENST00000438413.5	MUC1	ENSG00000185499	mucin 1, cell surface associated Source HGNC Symbol Acc HGNC 7508
F03	SBH0193609	ENST00000300589.6	NOD2	ENSG00000167207	nucleotide binding oligomerization domain containing 2 Source HGNC Symbol Acc HGNC 5331
F04	SBH0408796	ENST00000313735.10	NOS2	ENSG00000007171	nitric oxide synthase 2 Source HGNC Symbol Acc HGNC 7873
F05	SBH0060773	ENST00000344721.8	NR3C2	ENSG00000151623	nuclear receptor subfamily 3 group C member 2 Source HGNC Symbol Acc HGNC 7979
F06	SBH1220291	ENST00000319441.6	PCK1	ENSG00000124253	phosphoenolpyruvate carboxykinase 1 Source HGNC Symbol Acc HGNC 8724
F07	SBH1220299	ENST00000563924.6	PECAM1	ENSG00000261371	platelet and endothelial cell adhesion molecule 1 Source HGNC Symbol Acc HGNC 8823
F08	SBH0016662	ENST00000461579.1	REG1A	ENSG00000115386	regenerating family member 1 alpha Source HGNC Symbol Acc HGNC 9951
F09	SBH0187313	ENST00000305089.7	REG1B	ENSG00000172023	regenerating family member 1 beta Source HGNC Symbol Acc HGNC 9952
F10	SBH0133006	ENST00000477801.1	S100A8	ENSG00000143546	S100 calcium binding protein A8 Source HGNC Symbol Acc HGNC 10498

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBH0159686	ENST00000368738.4	S100A9	ENSG00000163220	S100 calcium binding protein A9 Source HGNC Symbol Acc HGNC 10499
F12	SBH0507877	ENST00000649195.1	SAA1	ENSG00000173432	serum amyloid A1 Source HGNC Symbol Acc HGNC 10513
G01	SBH1220384	ENST00000367774.1	SELE	ENSG00000007908	selectin E Source HGNC Symbol Acc HGNC 10718
G02	SBH0011028	ENST00000236147.5	SELL	ENSG00000188404	selectin L Source HGNC Symbol Acc HGNC 10720
G03	SBH1220414	ENST00000535561.5	SOD2	ENSG00000112096	superoxide dismutase 2 Source HGNC Symbol Acc HGNC 11180
G04	SBH0333289	ENST00000361099.7	STAT1	ENSG00000115415	signal transducer and activator of transcription 1 Source HGNC Symbol Acc HGNC 11362
G05	SBH0341614	ENST00000404395.3	STAT3	ENSG00000168610	signal transducer and activator of transcription 3 Source HGNC Symbol Acc HGNC 11364
G06	SBH0386775	ENST00000512584.5	TDO2	ENSG00000151790	tryptophan 2,3-dioxygenase Source HGNC Symbol Acc HGNC 11708
G07	SBH0279437	ENST00000291527.3	TFF1	ENSG00000160182	trefoil factor 1 Source HGNC Symbol Acc HGNC 11755
G08	SBH1220454	ENST00000218388.9	TIMP1	ENSG00000102265	TIMP metalloproteinase inhibitor 1 Source HGNC Symbol Acc HGNC 11820
G09	SBH1220471	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G10	SBH0311688	ENST00000525621.5	TYK2	ENSG00000105397	tyrosine kinase 2 Source HGNC Symbol Acc HGNC 12440
G11	SBH0341842	ENST00000377050.4	UBD	ENSG00000213886	ubiquitin D Source HGNC Symbol Acc HGNC 18795
G12	SBH1220522	ENST00000261405.9	VWF	ENSG00000110799	von Willebrand factor Source HGNC Symbol Acc HGNC 12726
H01	SBH1220543	ENST00000646664.1	ACTB	ENSG00000075624	actin beta Source HGNC Symbol Acc HGNC 132
H02	SBH1220550	ENST00000558401.6	B2M	ENSG00000166710	beta-2-microglobulin Source HGNC Symbol Acc HGNC 914
H03	SBH1220545	ENST00000396861.5	GAPDH	ENSG00000111640	glyceraldehyde-3-phosphate dehydrogenase Source HGNC Symbol Acc HGNC 4141
H04	SBH1220546	ENST00000298556.8	HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 Source HGNC Symbol Acc HGNC 5157
H05	SBH1220553	ENST00000546989.5	RPLP0	ENSG00000089157	ribosomal protein lateral stalk subunit P0 Source HGNC Symbol Acc HGNC 10371
H06	SBH1218553	Sybr_HGDC	HGDC	Sybr_HGDC	Human 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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