

QuantiNova® LNA® Probe PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

Human Crohn's Disease

Cat. no. 249955 UPHS-169ZA

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 (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. 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	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 Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFH0266833	ENST00000483831.1	ABCB1	ENSG00000085563	ATP binding cassette subfamily B member 1 Source HGNC Symbol Acc HGNC 40
A02	UPFH0119434	ENST000000374855.8	ALDOB	ENSG00000136872	aldolase, fructose-bisphosphate B Source HGNC Symbol Acc HGNC 417
A03	UPFH0012337	ENST000000392021.7	ATG16L1	ENSG00000085978	autophagy related 16 like 1 Source HGNC Symbol Acc HGNC 21498
A04	UPFH1132902	ENST000000596548.1	C3	ENSG00000125730	complement C3 Source HGNC Symbol Acc HGNC 1318
A05	UPFH0493864	ENST000000243611.9	C4BPB	ENSG00000123843	complement component 4 binding protein beta Source HGNC Symbol Acc HGNC 1328
A06	UPFH0285144	ENST000000436863.7	CASP1	ENSG00000137752	caspase 1 Source HGNC Symbol Acc HGNC 1499
A07	UPFH0201571	ENST000000305869.3	CCL11	ENSG00000172156	C-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10610
A08	UPFH1132783	ENST000000225831.4	CCL2	ENSG00000108691	C-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 10618
A09	UPFH1132289	ENST000000358813.5	CCL20	ENSG00000115009	C-C motif chemokine ligand 20 Source HGNC Symbol Acc HGNC 10619
A10	UPFH0336612	ENST000000315626.5	CCL25	ENSG00000131142	C-C motif chemokine ligand 25 Source HGNC Symbol Acc HGNC 10624
A11	UPFH1132786	ENST000000603197.6	CCL5	ENSG00000271503	C-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10632
A12	UPFH0327828	ENST000000296140.4	CCR1	ENSG00000163823	C-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 1602
B01	UPFH0175349	ENST000000445132.2	CCR2	ENSG00000121807	C-C motif chemokine receptor 2 Source HGNC Symbol Acc HGNC 1603
B02	UPFH1132860	ENST000000292303.4	CCR5	ENSG00000160791	C-C motif chemokine receptor 5 (gene/pseudogene) Source HGNC Symbol Acc HGNC 1606
B03	UPFH0255473	ENST000000395963.2	CCR9	ENSG00000173585	C-C motif chemokine receptor 9 Source HGNC Symbol Acc HGNC 1610
B04	UPFH0517372	ENST000000644836.1	CD55	ENSG00000196352	CD55 molecule (Cromer blood group) Source HGNC Symbol Acc HGNC 2665
B05	UPFH0403788	ENST000000473185.1	CHI3L1	ENSG00000133048	chitinase 3 like 1 Source HGNC Symbol Acc HGNC 1932
B06	UPFH0452392	ENST000000367058.7	CR2	ENSG00000117322	complement C3d receptor 2 Source HGNC Symbol Acc HGNC 2336
B07	UPFH0086901	ENST000000264474.4	CSTA	ENSG00000121552	cystatin A Source HGNC Symbol Acc HGNC 2481
B08	UPFH1132348	ENST000000006053.7	CX3CL1	ENSG00000006210	C-X3-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 10647
B09	UPFH0561943	ENST000000399220.2	CX3CR1	ENSG00000168329	C-X3-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 2558
B10	UPFH0494346	ENST000000395761.3	CXCL1	ENSG00000163739	C-X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 4602
B11	UPFH0196315	ENST000000306602.3	CXCL10	ENSG00000169245	C-X-C motif chemokine ligand 10 Source HGNC Symbol Acc HGNC 10637
B12	UPFH0421123	ENST000000306621.7	CXCL11	ENSG00000169248	C-X-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10638
C01	UPFH0092551	ENST000000374429.6	CXCL12	ENSG00000107562	C-X-C motif chemokine ligand 12 Source HGNC Symbol Acc HGNC 10672
C02	UPFH1132349	ENST000000508487.3	CXCL2	ENSG00000081041	C-X-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 4603
C03	UPFH1132889	ENST000000296026.4	CXCL3	ENSG00000163734	C-X-C motif chemokine ligand 3 Source HGNC Symbol Acc HGNC 4604
C04	UPFH0222764	ENST000000264888.5	CXCL9	ENSG00000138755	C-X-C motif chemokine ligand 9 Source HGNC Symbol Acc HGNC 7098
C05	UPFH0449544	ENST000000295683.2	CXCR1	ENSG00000163464	C-X-C motif chemokine receptor 1 Source HGNC Symbol Acc HGNC 6026
C06	UPFH1132799	ENST000000373693.4	CXCR3	ENSG00000186810	C-X-C motif chemokine receptor 3 Source HGNC Symbol Acc HGNC 4540
C07	UPFH0093726	ENST000000330590.4	DEFA5	ENSG00000164816	defensin alpha 5 Source HGNC Symbol Acc HGNC 2764
C08	UPFH0519492	ENST000000297436.3	DEFA6	ENSG00000164822	defensin alpha 6 Source HGNC Symbol Acc HGNC 2765
C09	UPFH0008273	ENST000000371028.6	EDN3	ENSG00000124205	endothelin 3 Source HGNC Symbol Acc HGNC 3178
C10	UPFH0445244	ENST000000522910.1	EGR3	ENSG00000179388	early growth response 3 Source HGNC Symbol Acc HGNC 3240
		ENST000000304		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH0333868	748.4	FPR1	171051	formyl peptide receptor 1 Source HGNC Symbol Acc HGNC 3826
C12	UPFH0034982	ENST00000418842.7	GCG	ENSG00000115263	glucagon Source HGNC Symbol Acc HGNC 4191
D01	UPFH0505790	ENST00000496318.5	HLA-DQA1	ENSG00000196735	major histocompatibility complex, class II, DQ alpha 1 Source HGNC Symbol Acc HGNC 4942
D02	UPFH0292435	ENST00000395388.7	HLA-DRA	ENSG00000204287	major histocompatibility complex, class II, DR alpha Source HGNC Symbol Acc HGNC 4947
D03	UPFH0185665	ENST00000360004.5	HLA-DRB1	ENSG00000196126	major histocompatibility complex, class II, DR beta 1 Source HGNC Symbol Acc HGNC 4948
D04	UPFH1132456	ENST00000299767.10	HSP90B1	ENSG00000166598	heat shock protein 90 beta family member 1 Source HGNC Symbol Acc HGNC 12028
D05	UPFH1132459	ENST00000324460.7	HSPA5	ENSG00000044574	heat shock protein family A (Hsp70) member 5 Source HGNC Symbol Acc HGNC 5238
D06	UPFH1132473	ENST00000229135.4	IFNG	ENSG00000111537	interferon gamma Source HGNC Symbol Acc HGNC 5438
D07	UPFH1132807	ENST00000617259.2	IL13	ENSG00000169194	interleukin 13 Source HGNC Symbol Acc HGNC 5973
D08	UPFH0091505	ENST00000648244.1	IL17A	ENSG00000112115	interleukin 17A Source HGNC Symbol Acc HGNC 5981
D09	UPFH0163764	ENST00000263341.6	IL1B	ENSG00000125538	interleukin 1 beta Source HGNC Symbol Acc HGNC 5992
D10	UPFH0081459	ENST00000354115.6	IL1RN	ENSG00000136689	interleukin 1 receptor antagonist Source HGNC Symbol Acc HGNC 6000
D11	UPFH1132809	ENST00000228534.6	IL23A	ENSG00000110944	interleukin 23 subunit alpha Source HGNC Symbol Acc HGNC 15488
D12	UPFH0323649	ENST00000447847.1	IL2RA	ENSG00000134460	interleukin 2 receptor subunit alpha Source HGNC Symbol Acc HGNC 6008
E01	UPFH1132811	ENST00000231454.6	IL5	ENSG00000113525	interleukin 5 Source HGNC Symbol Acc HGNC 6016
E02	UPFH1172910	ENST00000258743.10	IL6	ENSG00000136244	interleukin 6 Source HGNC Symbol Acc HGNC 6018
E03	UPFH0120553	ENST00000307407.8	CXCL8	ENSG00000169429	C-X-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 6025
E04	UPFH1132492	ENST00000479582.5	IRF5	ENSG00000128604	interferon regulatory factor 5 Source HGNC Symbol Acc HGNC 6120
E05	UPFH1132494	ENST00000379389.4	ISG15	ENSG00000187608	ISG15 ubiquitin-like modifier Source HGNC Symbol Acc HGNC 4053
E06	UPFH1132499	ENST00000397850.6	ITGB2	ENSG00000160255	integrin subunit beta 2 Source HGNC Symbol Acc HGNC 6155
E07	UPFH0258851	ENST00000277480.7	LCN2	ENSG00000148346	lipocalin 2 Source HGNC Symbol Acc HGNC 6526
E08	UPFH0509119	ENST00000429299.2	LTB	ENSG00000227507	lymphotoxin beta Source HGNC Symbol Acc HGNC 6711
E09	UPFH0398421	ENST00000261267.6	LYZ	ENSG00000090382	lysozyme Source HGNC Symbol Acc HGNC 6740
E10	UPFH0322484	ENST00000315274.7	MMP1	ENSG00000196611	matrix metalloproteinase 1 Source HGNC Symbol Acc HGNC 7155
E11	UPFH1132891	ENST00000279441.9	MMP10	ENSG00000166670	matrix metalloproteinase 10 Source HGNC Symbol Acc HGNC 7156
E12	UPFH1132827	ENST00000299855.10	MMP3	ENSG00000149968	matrix metalloproteinase 3 Source HGNC Symbol Acc HGNC 7173
F01	UPFH0230006	ENST00000260227.5	MMP7	ENSG00000137673	matrix metalloproteinase 7 Source HGNC Symbol Acc HGNC 7174
F02	UPFH0433185	ENST00000368393.7	MUC1	ENSG00000185499	mucin 1, cell surface associated Source HGNC Symbol Acc HGNC 7508
F03	UPFH0235722	ENST00000300589.6	NOD2	ENSG00000167207	nucleotide binding oligomerization domain containing 2 Source HGNC Symbol Acc HGNC 5331
F04	UPFH0572128	ENST00000313735.10	NOS2	ENSG00000007171	nitric oxide synthase 2 Source HGNC Symbol Acc HGNC 7873
F05	UPFH0487306	ENST00000512865.5	NR3C2	ENSG00000151623	nuclear receptor subfamily 3 group C member 2 Source HGNC Symbol Acc HGNC 7979
F06	UPFH1132606	ENST00000319441.6	PCK1	ENSG00000124253	phosphoenolpyruvate carboxykinase 1 Source HGNC Symbol Acc HGNC 8724
F07	UPFH1132613	ENST00000563924.6	PECAM1	ENSG00000261371	platelet and endothelial cell adhesion molecule 1 Source HGNC Symbol Acc HGNC 8823
F08	UPFH0430970	ENST00000488524.1	REG1A	ENSG00000115386	regenerating family member 1 alpha Source HGNC Symbol Acc HGNC 9951
F09	UPFH0478610	ENST00000305089.7	REG1B	ENSG00000172023	regenerating family member 1 beta Source HGNC Symbol Acc HGNC 9952
F10	UPFH0240332	ENST00000368732.5	S100A8	ENSG00000143546	S100 calcium binding protein A8 Source HGNC Symbol Acc HGNC 10498

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0106381	ENST00000368738.4	S100A9	ENSG00000163220	S100 calcium binding protein A9 Source HGNC Symbol Acc HGNC 10499
F12	UPFH0073829	ENST00000405158.2	SAA1	ENSG00000173432	serum amyloid A1 Source HGNC Symbol Acc HGNC 10513
G01	UPFH1132838	ENST0000036777.5	SELE	ENSG00000007908	selectin E Source HGNC Symbol Acc HGNC 10718
G02	UPFH0444664	ENST00000236147.5	SELL	ENSG00000188404	selectin L Source HGNC Symbol Acc HGNC 10720
G03	UPFH1132692	ENST00000367055.8	SOD2	ENSG00000112096	superoxide dismutase 2 Source HGNC Symbol Acc HGNC 11180
G04	UPFH1132696	ENST00000392323.6	STAT1	ENSG00000115415	signal transducer and activator of transcription 1 Source HGNC Symbol Acc HGNC 11362
G05	UPFH0531262	ENST00000404395.3	STAT3	ENSG00000168610	signal transducer and activator of transcription 3 Source HGNC Symbol Acc HGNC 11364
G06	UPFH0241455	ENST00000536354.3	TDO2	ENSG00000151790	tryptophan 2,3-dioxygenase Source HGNC Symbol Acc HGNC 11708
G07	UPFH0090465	ENST00000291527.3	TFF1	ENSG00000160182	trefoil factor 1 Source HGNC Symbol Acc HGNC 11755
G08	UPFH1132725	ENST00000456754.6	TIMP1	ENSG00000102265	TIMP metalloproteinase inhibitor 1 Source HGNC Symbol Acc HGNC 11820
G09	UPFH1132978	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G10	UPFH0496191	ENST00000525621.5	TYK2	ENSG00000105397	tyrosine kinase 2 Source HGNC Symbol Acc HGNC 12440
G11	UPFH0354851	ENST00000377050.4	UBD	ENSG00000213886	ubiquitin D Source HGNC Symbol Acc HGNC 18795
G12	UPFH0533670	ENST00000261405.9	VWF	ENSG00000110799	von Willebrand factor Source HGNC Symbol Acc HGNC 12726
H01	UPFH1132936	ENST00000646664.1	ACTB	ENSG00000075624	actin beta Source HGNC Symbol Acc HGNC 132
H02	UPFH1132937	ENST00000544417.5	B2M	ENSG00000166710	beta-2-microglobulin Source HGNC Symbol Acc HGNC 914
H03	UPFH1132938	ENST00000229239.10	GAPDH	ENSG00000111640	glyceraldehyde-3-phosphate dehydrogenase Source HGNC Symbol Acc HGNC 4141
H04	UPFH1132939	ENST00000298556.8	HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 Source HGNC Symbol Acc HGNC 5157
H05	UPFH1132941	ENST00000392514.9	RPLP0	ENSG00000089157	ribosomal protein lateral stalk subunit P0 Source HGNC Symbol Acc HGNC 10371
H06	UPFH1126608	UPL_HGDC	HGDC	UPL_HGDC	Human 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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