

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

Human Allergy & Asthma

Cat. no. 249955 UPHS-067ZA

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	ADAM33	ADRB2	ALOX5	AREG	ARG1	BCL6	CCL11	CCL17	CCL2	CCL22	CCL24	CCL26
B	CCL5	CCL8	CCR3	CCR4	CCR8	CD40LG	CHI3L1	CHIA	CLC	CLCA1	CMA1	CPA3
C	CRLF2	CSF2	CSF3R	CYSLTR1	EPX	FCER1A	FOXP3	GATA3	PTGDR2	ICOS	IFNG	IFNGR2
D	IL10	IL12A	IL12B	IL13	IL13RA1	IL13RA2	IL17A	IL17RB	IL18	IL1RL1	IL21	IL25
E	IL2RA	IL3	IL31	IL33	IL3RA	IL4	IL4R	IL5	IL5RA	IL9	KIT	KITLG
F	LTB4R	MAF	MMP9	MRC1	MS4A2	PDCD1	PMCH	POSTN	PPARG	PRG2	RETNLB	RNASE2
G	RNASE3	RORC	SATB1	SIGLEC8	STAT5A	STAT6	TBX21	TGFB1	TNFRSF4	TNFSF4	TPSAB1	TSLP
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	UPFH0428493	ENST00000379861.8	ADAM33	ENSG00000149451	ADAM metallopeptidase domain 33 Source HGNC Symbol Acc HGNC 15478
A02	UPFH0552004	ENST000003305988.5	ADRB2	ENSG00000169252	adrenoceptor beta 2 Source HGNC Symbol Acc HGNC 286
A03	UPFH1132227	ENST00000612635.4	ALOX5	ENSG00000012779	arachidonate 5-lipoxygenase Source HGNC Symbol Acc HGNC 435
A04	UPFH0307368	ENST00000502307.1	AREG	ENSG00000109321	amphiregulin Source HGNC Symbol Acc HGNC 651
A05	UPFH0254077	ENST00000498260.1	ARG1	ENSG00000118520	arginase 1 Source HGNC Symbol Acc HGNC 663
A06	UPFH1132778	ENST00000450123.6	BCL6	ENSG00000113916	BCL6, transcription repressor Source HGNC Symbol Acc HGNC 1001
A07	UPFH0201571	ENST000003305869.3	CCL11	ENSG00000172156	C-C motif chemokine ligand 11 Source HGNC Symbol Acc HGNC 10610
A08	UPFH0117775	ENST00000219244.8	CCL17	ENSG00000102970	C-C motif chemokine ligand 17 Source HGNC Symbol Acc HGNC 10615
A09	UPFH1132783	ENST00000225831.4	CCL2	ENSG00000108691	C-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 10618
A10	UPFH1132291	ENST00000219235.5	CCL22	ENSG00000102962	C-C motif chemokine ligand 22 Source HGNC Symbol Acc HGNC 10621
A11	UPFH0216555	ENST00000222902.6	CCL24	ENSG00000106178	C-C motif chemokine ligand 24 Source HGNC Symbol Acc HGNC 10623
A12	UPFH0418308	ENST00000394905.2	CCL26	ENSG00000006606	C-C motif chemokine ligand 26 Source HGNC Symbol Acc HGNC 10625
B01	UPFH1132786	ENST00000603197.6	CCL5	ENSG00000271503	C-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10632
B02	UPFH1132787	ENST00000394620.2	CCL8	ENSG00000108700	C-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 10635
B03	UPFH1132788	ENST00000395940.3	CCR3	ENSG00000183625	C-C motif chemokine receptor 3 Source HGNC Symbol Acc HGNC 1604
B04	UPFH0179708	ENST00000330953.5	CCR4	ENSG00000183813	C-C motif chemokine receptor 4 Source HGNC Symbol Acc HGNC 1605
B05	UPFH0583026	ENST00000414803.1	CCR8	ENSG00000179934	C-C motif chemokine receptor 8 Source HGNC Symbol Acc HGNC 1609
B06	UPFH0592498	ENST00000370629.6	CD40LG	ENSG00000102245	CD40 ligand Source HGNC Symbol Acc HGNC 11935
B07	UPFH0403788	ENST00000473185.1	CHI3L1	ENSG00000133048	chitinase 3 like 1 Source HGNC Symbol Acc HGNC 1932
B08	UPFH0466962	ENST00000369740.6	CHIA	ENSG00000134216	chitinase, acidic Source HGNC Symbol Acc HGNC 17432
B09	UPFH0057123	ENST00000221804.5	CLC	ENSG00000105205	Charcot-Leyden crystal galectin Source HGNC Symbol Acc HGNC 2014
B10	UPFH0459254	ENST00000234701.7	CLCA1	ENSG00000016490	chloride channel accessory 1 Source HGNC Symbol Acc HGNC 2015
B11	UPFH0286634	ENST00000206446.4	CMA1	ENSG00000092009	chymase 1 Source HGNC Symbol Acc HGNC 2097
B12	UPFH0138930	ENST00000477926.1	CPA3	ENSG00000163751	carboxypeptidase A3 Source HGNC Symbol Acc HGNC 2298
C01	UPFH0572997	ENST00000381566.6	CRLF2	ENSG00000205755	cytokine receptor like factor 2 Source HGNC Symbol Acc HGNC 14281
C02	UPFH1132793	ENST00000296871.4	CSF2	ENSG00000164400	colony stimulating factor 2 Source HGNC Symbol Acc HGNC 2434
C03	UPFH0400766	ENST00000526980.5	CSF3R	ENSG00000119535	colony stimulating factor 3 receptor Source HGNC Symbol Acc HGNC 2439
C04	UPFH0611522	ENST00000614798.1	CYSLTR1	ENSG00000173198	cysteinyl leukotriene receptor 1 Source HGNC Symbol Acc HGNC 17451
C05	UPFH1132387	ENST00000225371.6	EPX	ENSG00000121053	eosinophil peroxidase Source HGNC Symbol Acc HGNC 3423
C06	UPFH0001018	ENST00000368115.5	FCER1A	ENSG00000179639	Fc fragment of IgE receptor 1a Source HGNC Symbol Acc HGNC 3609
C07	UPFH1132403	ENST00000557224.6	FOXP3	ENSG00000049768	forkhead box P3 Source HGNC Symbol Acc HGNC 6106
C08	UPFH1132416	ENST00000645492.1	GATA3	ENSG00000107485	GATA binding protein 3 Source HGNC Symbol Acc HGNC 4172
C09	UPFH0150140	ENST00000332539.5	PTGDR2	ENSG00000183134	prostaglandin D2 receptor 2 Source HGNC Symbol Acc HGNC 4502
C10	UPFH0092255	ENST00000316386.10	ICOS	ENSG00000163600	inducible T cell costimulator Source HGNC Symbol Acc HGNC 5351
		ENST00000229		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH1132473	135.4	IFNG	111537	interferon gamma Source HGNC Symbol Acc HGNC 5438
C12	UPFH0597617	ENST00000545369.2	IFNGR2	ENSG00000159128	interferon gamma receptor 2 Source HGNC Symbol Acc HGNC 5440
D01	UPFH0028177	ENST00000423557.1	IL10	ENSG00000136634	interleukin 10 Source HGNC Symbol Acc HGNC 5962
D02	UPFH1132478	ENST00000466512.1	IL12A	ENSG00000168811	interleukin 12A Source HGNC Symbol Acc HGNC 5969
D03	UPFH0131869	ENST00000231228.2	IL12B	ENSG00000113302	interleukin 12B Source HGNC Symbol Acc HGNC 5970
D04	UPFH1132807	ENST00000617259.2	IL13	ENSG00000169194	interleukin 13 Source HGNC Symbol Acc HGNC 5973
D05	UPFH0240636	ENST00000371642.1	IL13RA1	ENSG00000131724	interleukin 13 receptor subunit alpha 1 Source HGNC Symbol Acc HGNC 5974
D06	UPFH1132808	ENST00000243213.2	IL13RA2	ENSG00000123496	interleukin 13 receptor subunit alpha 2 Source HGNC Symbol Acc HGNC 5975
D07	UPFH0091505	ENST00000648244.1	IL17A	ENSG00000112115	interleukin 17A Source HGNC Symbol Acc HGNC 5981
D08	UPFH0111666	ENST00000288167.8	IL17RB	ENSG00000056736	interleukin 17 receptor B Source HGNC Symbol Acc HGNC 18015
D09	UPFH1132481	ENST00000528832.1	IL18	ENSG00000150782	interleukin 18 Source HGNC Symbol Acc HGNC 5986
D10	UPFH0302915	ENST00000404917.6	IL1RL1	ENSG00000115602	interleukin 1 receptor like 1 Source HGNC Symbol Acc HGNC 5998
D11	UPFH0321856	ENST00000648588.1	IL21	ENSG00000138684	interleukin 21 Source HGNC Symbol Acc HGNC 6005
D12	UPFH0387713	ENST00000329715.2	IL25	ENSG00000166090	interleukin 25 Source HGNC Symbol Acc HGNC 13765
E01	UPFH0323649	ENST00000447847.1	IL2RA	ENSG00000134460	interleukin 2 receptor subunit alpha Source HGNC Symbol Acc HGNC 6008
E02	UPFH0282899	ENST00000296870.2	IL3	ENSG00000164399	interleukin 3 Source HGNC Symbol Acc HGNC 6011
E03	UPFH0131362	ENST00000377035.1	IL31	ENSG00000204671	interleukin 31 Source HGNC Symbol Acc HGNC 19372
E04	UPFH0362446	ENST00000381434.7	IL33	ENSG00000137033	interleukin 33 Source HGNC Symbol Acc HGNC 16028
E05	UPFH0253125	ENST00000432757.6	IL3RA	ENSG00000185291	interleukin 3 receptor subunit alpha Source HGNC Symbol Acc HGNC 6012
E06	UPFH0226437	ENST00000231449.7	IL4	ENSG00000113520	interleukin 4 Source HGNC Symbol Acc HGNC 6014
E07	UPFH0363455	ENST00000563886.1	IL4R	ENSG00000077238	interleukin 4 receptor Source HGNC Symbol Acc HGNC 6015
E08	UPFH1132811	ENST00000231454.6	IL5	ENSG00000113525	interleukin 5 Source HGNC Symbol Acc HGNC 6016
E09	UPFH0198583	ENST00000256452.7	IL5RA	ENSG00000091181	interleukin 5 receptor subunit alpha Source HGNC Symbol Acc HGNC 6017
E10	UPFH0611711	ENST00000274520.1	IL9	ENSG00000145839	interleukin 9 Source HGNC Symbol Acc HGNC 6029
E11	UPFH0545239	ENST00000288135.5	KIT	ENSG00000157404	KIT proto-oncogene receptor tyrosine kinase Source HGNC Symbol Acc HGNC 6342
E12	UPFH0242107	ENST00000644744.1	KITLG	ENSG00000049130	KIT ligand Source HGNC Symbol Acc HGNC 6343
F01	UPFH0397147	ENST00000396782.2	LTB4R	ENSG00000213903	leukotriene B4 receptor Source HGNC Symbol Acc HGNC 6713
F02	UPFH0572800	ENST00000326043.5	MAF	ENSG00000178573	MAF bZIP transcription factor Source HGNC Symbol Acc HGNC 6776
F03	UPFH0367626	ENST00000372330.3	MMP9	ENSG00000100985	matrix metalloproteinase 9 Source HGNC Symbol Acc HGNC 7176
F04	UPFH0254696	ENST00000569591.3	MRC1	ENSG00000260314	mannose receptor C-type 1 Source HGNC Symbol Acc HGNC 7228
F05	UPFH0373793	ENST00000278888.8	MS4A2	ENSG00000149534	membrane spanning 4-domains A2 Source HGNC Symbol Acc HGNC 7316
F06	UPFH0225866	ENST00000343705.3	PDCD1	ENSG00000188389	programmed cell death 1 Source HGNC Symbol Acc HGNC 8760
F07	UPFH0493484	ENST00000329406.5	PMCH	ENSG00000183395	pro-melanin concentrating hormone Source HGNC Symbol Acc HGNC 9109
F08	UPFH0505568	ENST00000541179.5	POSTN	ENSG00000133110	perlecan Source HGNC Symbol Acc HGNC 16953
F09	UPFH0284890	ENST00000477039.5	PPARG	ENSG00000132170	peroxisome proliferator activated receptor gamma Source HGNC Symbol Acc HGNC 9236
F10	UPFH0190329	ENST00000311862.10	PRG2	ENSG00000186652	proteoglycan 2, pro eosinophil major basic protein Source HGNC Symbol Acc HGNC 9362

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0514954	ENST00000482939.1	RETNLB	ENSG00000163515	resistin like beta Source HGNC Symbol Acc HGNC 20388
F12	UPFH0554114	ENST00000304625.3	RNASE2	ENSG00000169385	ribonuclease A family member 2 Source HGNC Symbol Acc HGNC 10045
G01	UPFH0482049	ENST00000304639.3	RNASE3	ENSG00000169397	ribonuclease A family member 3 Source HGNC Symbol Acc HGNC 10046
G02	UPFH1132662	ENST00000318247.7	RORC	ENSG00000143365	RAR related orphan receptor C Source HGNC Symbol Acc HGNC 10260
G03	UPFH0390157	ENST00000414509.3	SATB1	ENSG00000182568	SATB homeobox 1 Source HGNC Symbol Acc HGNC 10541
G04	UPFH0343278	ENST00000430817.5	SIGLEC8	ENSG00000105366	sialic acid binding Ig like lectin 8 Source HGNC Symbol Acc HGNC 10877
G05	UPFH0458805	ENST00000591556.1	STAT5A	ENSG00000126561	signal transducer and activator of transcription 5A Source HGNC Symbol Acc HGNC 11366
G06	UPFH1132845	ENST00000553533.2	STAT6	ENSG00000166888	signal transducer and activator of transcription 6 Source HGNC Symbol Acc HGNC 11368
G07	UPFH0331267	ENST00000177694.2	TBX21	ENSG00000073861	T-box 21 Source HGNC Symbol Acc HGNC 11599
G08	UPFH0193430	ENST00000221930.5	TGFB1	ENSG00000105329	transforming growth factor beta 1 Source NCBI gene Acc 7040
G09	UPFH0433269	ENST00000497869.5	TNFRSF4	ENSG00000186827	TNF receptor superfamily member 4 Source HGNC Symbol Acc HGNC 11918
G10	UPFH0265690	ENST00000281834.4	TNFSF4	ENSG00000117586	TNF superfamily member 4 Source HGNC Symbol Acc HGNC 11934
G11	UPFH1125866	ENST00000561736.1	TPSAB1	ENSG00000172236	tryptase alpha/beta 1 Source HGNC Symbol Acc HGNC 12019
G12	UPFH0454554	ENST00000379706.4	TSLP	ENSG00000145777	thymic stromal lymphopoietin Source HGNC Symbol Acc HGNC 30743
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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