

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

Human Interferons & Receptors

Cat. no. 249955 UPHS-064ZA

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	ADAR	CNTFR	CRLF2	CSF2RA	CSF3R	CXCL10	EBI3	F3	IFI16	IFI27	IFI30	IFI35
B	IFI44	IFI44L	IFI6	IFIH1	IFIT1	IFIT2	IFIT3	IFITM1	IFITM2	IFNA1	IFNA14	IFNA16
C	IFNA2	IFNA21	IFNA4	IFNA5	IFNA6	IFNA7	IFNA8	IFNAR1	IFNAR2	IFNB1	IFNE	IFNG
D	IFNGR1	IFNGR2	IFNK	IFNW1	IFRD1	IFRD2	IL10RA	IL10RB	IL11RA	IL12B	IL13RA1	IL15
E	IL20RA	IL20RB	IL21R	IL22RA2	IFNL2	IFNLR1	IFNL1	IL2RB	IL2RG	IL31RA	IL3RA	IL4R
F	IL5RA	IL6	IL6R	IL7R	IL9R	IRF1	IRF2	IRF2BP1	IRF3	IRF4	IRF5	IRF6
G	IRF7	IRF8	IRGM	ISG15	LEPR	MPL	MX1	OAS1	PSME1	PFHIN1	SP110	TTN
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	UPFH1132219	ENST00000647597.1	ADAR	ENSG00000160710	adenosine deaminase, RNA specific Source HGNC Symbol Acc HGNC 225
A02	UPFH0473053	ENST00000378980.8	CNTFR	ENSG00000122756	ciliary neurotrophic factor receptor Source HGNC Symbol Acc HGNC 2170
A03	UPFH0572997	ENST00000381566.6	CRLF2	ENSG00000205755	cytokine receptor like factor 2 Source HGNC Symbol Acc HGNC 14281
A04	UPFH0060617	ENST00000493312.6	CSF2RA	ENSG00000198223	colony stimulating factor 2 receptor alpha subunit Source HGNC Symbol Acc HGNC 2435
A05	UPFH0400766	ENST00000526980.5	CSF3R	ENSG00000119535	colony stimulating factor 3 receptor Source HGNC Symbol Acc HGNC 2439
A06	UPFH0196315	ENST00000306602.3	CXCL10	ENSG00000169245	C-X-C motif chemokine ligand 10 Source HGNC Symbol Acc HGNC 10637
A07	UPFH0245178	ENST00000599339.1	EBI3	ENSG00000105246	Epstein-Barr virus induced 3 Source HGNC Symbol Acc HGNC 3129
A08	UPFH1132393	ENST00000334047.12	F3	ENSG00000117525	coagulation factor III, tissue factor Source HGNC Symbol Acc HGNC 3541
A09	UPFH0267618	ENST00000368131.8	IFI16	ENSG00000163565	interferon gamma inducible protein 16 Source HGNC Symbol Acc HGNC 5395
A10	UPFH0038444	ENST00000621160.4	IFI27	ENSG00000165949	interferon alpha inducible protein 27 Source HGNC Symbol Acc HGNC 5397
A11	UPFH1132467	ENST00000407280.4	IFI30	ENSG00000216490	IFI30, lysosomal thiol reductase Source HGNC Symbol Acc HGNC 5398
A12	UPFH0457575	ENST00000396722.2	IFI35	ENSG00000068079	interferon induced protein 35 Source HGNC Symbol Acc HGNC 5399
B01	UPFH0171683	ENST00000370747.9	IFI44	ENSG00000137965	interferon induced protein 44 Source HGNC Symbol Acc HGNC 16938
B02	UPFH0522819	ENST00000474002.1	IFI44L	ENSG00000137959	interferon induced protein 44 like Source HGNC Symbol Acc HGNC 17817
B03	UPFH1132468	ENST00000361157.11	IFI6	ENSG00000126709	interferon alpha inducible protein 6 Source HGNC Symbol Acc HGNC 4054
B04	UPFH0315757	ENST00000263642.2	IFIH1	ENSG00000115267	interferon induced with helicase C domain 1 Source HGNC Symbol Acc HGNC 18873
B05	UPFH1132469	ENST00000371804.4	IFIT1	ENSG00000185745	interferon induced protein with tetratricopeptide repeats 1 Source HGNC Symbol Acc HGNC 5407
B06	UPFH1132470	ENST00000638108.1	IFIT2	ENSG00000119922	interferon induced protein with tetratricopeptide repeats 2 Source HGNC Symbol Acc HGNC 5409
B07	UPFH0190197	ENST00000371811.4	IFIT3	ENSG00000119917	interferon induced protein with tetratricopeptide repeats 3 Source HGNC Symbol Acc HGNC 5411
B08	UPFH1132471	ENST00000408968.4	IFITM1	ENSG00000185885	interferon induced transmembrane protein 1 Source HGNC Symbol Acc HGNC 5412
B09	UPFH1132911	ENST00000533141.1	IFITM2	ENSG00000185201	interferon induced transmembrane protein 2 Source HGNC Symbol Acc HGNC 5413
B10	UPFH0577805	ENST00000276927.2	IFNA1	ENSG00000197919	interferon alpha 1 Source HGNC Symbol Acc HGNC 5417
B11	UPFH0551752	ENST00000380222.3	IFNA14	ENSG00000228083	interferon alpha 14 Source HGNC Symbol Acc HGNC 5420
B12	UPFH0453868	ENST00000380216.1	IFNA16	ENSG00000147885	interferon alpha 16 Source HGNC Symbol Acc HGNC 5421
C01	UPFH0206613	ENST00000380206.3	IFNA2	ENSG00000188379	interferon alpha 2 Source HGNC Symbol Acc HGNC 5423
C02	UPFH0549578	ENST00000380225.1	IFNA21	ENSG00000137080	interferon alpha 21 Source HGNC Symbol Acc HGNC 5424
C03	UPFH0532650	ENST00000421715.2	IFNA4	ENSG00000236637	interferon alpha 4 Source HGNC Symbol Acc HGNC 5425
C04	UPFH0166720	ENST00000610521.1	IFNA5	ENSG00000147873	interferon alpha 5 Source HGNC Symbol Acc HGNC 5426
C05	UPFH0242819	ENST00000259555.5	IFNA6	ENSG00000120235	interferon alpha 6 Source HGNC Symbol Acc HGNC 5427
C06	UPFH0504281	ENST00000239347.3	IFNA7	ENSG00000214042	interferon alpha 7 Source HGNC Symbol Acc HGNC 5428
C07	UPFH0183316	ENST00000380205.1	IFNA8	ENSG00000120242	interferon alpha 8 Source HGNC Symbol Acc HGNC 5429
C08	UPFH1132472	ENST00000270139.8	IFNAR1	ENSG00000142166	interferon alpha and beta receptor subunit 1 Source HGNC Symbol Acc HGNC 5432
C09	UPFH0538480	ENST00000382264.7	IFNAR2	ENSG00000159110	interferon alpha and beta receptor subunit 2 Source HGNC Symbol Acc HGNC 5433
C10	UPFH1132806	ENST00000380232.4	IFNB1	ENSG00000171855	interferon beta 1 Source HGNC Symbol Acc HGNC 5434
		ENST00000448		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH0445264	696.4	IFNE	184995	interferon epsilon Source HGNC Symbol Acc HGNC 18163
C12	UPFH1132473	ENST00000229135.4	IFNG	ENSG00000111537	interferon gamma Source HGNC Symbol Acc HGNC 5438
D01	UPFH0492557	ENST00000367739.8	IFNGR1	ENSG00000027697	interferon gamma receptor 1 Source HGNC Symbol Acc HGNC 5439
D02	UPFH0597617	ENST00000545369.2	IFNGR2	ENSG00000159128	interferon gamma receptor 2 Source HGNC Symbol Acc HGNC 5440
D03	UPFH0019406	ENST00000276943.2	IFNK	ENSG00000147896	interferon kappa Source HGNC Symbol Acc HGNC 21714
D04	UPFH0416983	ENST00000380229.3	IFNW1	ENSG00000177047	interferon omega 1 Source HGNC Symbol Acc HGNC 5448
D05	UPFH1132962	ENST00000621379.4	IFRD1	ENSG00000006652	interferon related developmental regulator 1 Source HGNC Symbol Acc HGNC 5456
D06	UPFH0097319	ENST00000414734.5	IFRD2	ENSG00000214706	interferon related developmental regulator 2 Source HGNC Symbol Acc HGNC 5457
D07	UPFH0594844	ENST00000227752.7	IL10RA	ENSG00000110324	interleukin 10 receptor subunit alpha Source HGNC Symbol Acc HGNC 5964
D08	UPFH1132476	ENST00000290200.7	IL10RB	ENSG00000243646	interleukin 10 receptor subunit beta Source HGNC Symbol Acc HGNC 5965
D09	UPFH0261153	ENST00000555981.5	IL11RA	ENSG00000137070	interleukin 11 receptor subunit alpha Source HGNC Symbol Acc HGNC 5967
D10	UPFH0131869	ENST00000231228.2	IL12B	ENSG00000113302	interleukin 12B Source HGNC Symbol Acc HGNC 5970
D11	UPFH0240636	ENST00000371642.1	IL13RA1	ENSG00000131724	interleukin 13 receptor subunit alpha 1 Source HGNC Symbol Acc HGNC 5974
D12	UPFH1132873	ENST00000296545.11	IL15	ENSG00000164136	interleukin 15 Source HGNC Symbol Acc HGNC 5977
E01	UPFH0519397	ENST00000468393.5	IL20RA	ENSG00000016402	interleukin 20 receptor subunit alpha Source HGNC Symbol Acc HGNC 6003
E02	UPFH0329470	ENST00000329582.9	IL20RB	ENSG00000174564	interleukin 20 receptor subunit beta Source HGNC Symbol Acc HGNC 6004
E03	UPFH0043452	ENST00000395754.4	IL21R	ENSG00000103522	interleukin 21 receptor Source HGNC Symbol Acc HGNC 6006
E04	UPFH0393563	ENST00000296980.6	IL22RA2	ENSG00000164485	interleukin 22 receptor subunit alpha 2 Source HGNC Symbol Acc HGNC 14901
E05	UPFH0328492	ENST00000331982.5	IFNL2	ENSG00000183709	interferon lambda 2 Source HGNC Symbol Acc HGNC 18364
E06	UPFH0348597	ENST00000374421.7	IFNLR1	ENSG00000185436	interferon lambda receptor 1 Source HGNC Symbol Acc HGNC 18584
E07	UPFH0136143	ENST00000333625.3	IFNL1	ENSG00000182393	interferon lambda 1 Source HGNC Symbol Acc HGNC 18363
E08	UPFH0018675	ENST00000445595.1	IL2RB	ENSG00000100385	interleukin 2 receptor subunit beta Source HGNC Symbol Acc HGNC 6009
E09	UPFH0559324	ENST00000482750.5	IL2RG	ENSG00000147168	interleukin 2 receptor subunit gamma Source HGNC Symbol Acc HGNC 6010
E10	UPFH0379580	ENST00000396834.6	IL31RA	ENSG00000164509	interleukin 31 receptor A Source HGNC Symbol Acc HGNC 18969
E11	UPFH0253125	ENST00000432757.6	IL3RA	ENSG00000185291	interleukin 3 receptor subunit alpha Source HGNC Symbol Acc HGNC 6012
E12	UPFH0363455	ENST00000563886.1	IL4R	ENSG00000077238	interleukin 4 receptor Source HGNC Symbol Acc HGNC 6015
F01	UPFH0198583	ENST00000256452.7	IL5RA	ENSG00000091181	interleukin 5 receptor subunit alpha Source HGNC Symbol Acc HGNC 6017
F02	UPFH1172910	ENST00000258743.10	IL6	ENSG00000136244	interleukin 6 Source HGNC Symbol Acc HGNC 6018
F03	UPFH1132484	ENST00000622330.4	IL6R	ENSG00000160712	interleukin 6 receptor Source HGNC Symbol Acc HGNC 6019
F04	UPFH0314857	ENST00000514217.5	IL7R	ENSG00000168685	interleukin 7 receptor Source HGNC Symbol Acc HGNC 6024
F05	UPFH0383667	ENST00000244174.10	IL9R	ENSG00000124334	interleukin 9 receptor Source HGNC Symbol Acc HGNC 6030
F06	UPFH1132490	ENST00000476613.1	IRF1	ENSG00000125347	interferon regulatory factor 1 Source HGNC Symbol Acc HGNC 6116
F07	UPFH1132491	ENST00000506230.5	IRF2	ENSG00000168310	interferon regulatory factor 2 Source HGNC Symbol Acc HGNC 6117
F08	UPFH0337923	ENST00000302165.5	IRF2BP1	ENSG00000170604	interferon regulatory factor 2 binding protein 1 Source HGNC Symbol Acc HGNC 21728
F09	UPFH0390278	ENST00000599144.5	IRF3	ENSG00000126456	interferon regulatory factor 3 Source HGNC Symbol Acc HGNC 6118
F10	UPFH0051290	ENST00000380956.9	IRF4	ENSG00000137265	interferon regulatory factor 4 Source HGNC Symbol Acc HGNC 6119

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH1132492	ENST00000479582.5	IRF5	ENSG00000128604	interferon regulatory factor 5 Source HGNC Symbol Acc HGNC 6120
F12	UPFH0221685	ENST00000367021.8	IRF6	ENSG00000117595	interferon regulatory factor 6 Source HGNC Symbol Acc HGNC 6121
G01	UPFH1132493	ENST00000348655.1	IRF7	ENSG00000185507	interferon regulatory factor 7 Source HGNC Symbol Acc HGNC 6122
G02	UPFH0264126	ENST00000564056.1	IRF8	ENSG00000140968	interferon regulatory factor 8 Source HGNC Symbol Acc HGNC 5358
G03	UPFH0069624	ENST00000522154.1	IRGM	ENSG00000237693	immunity related GTPase M Source HGNC Symbol Acc HGNC 29597
G04	UPFH1132494	ENST00000379389.4	ISG15	ENSG00000187608	ISG15 ubiquitin-like modifier Source HGNC Symbol Acc HGNC 4053
G05	UPFH0300038	ENST00000371060.7	LEPR	ENSG00000116678	leptin receptor Source HGNC Symbol Acc HGNC 6554
G06	UPFH0133314	ENST00000413998.7	MPL	ENSG00000117400	MPL proto-oncogene, thrombopoietin receptor Source HGNC Symbol Acc HGNC 7217
G07	UPFH1132561	ENST00000398600.6	MX1	ENSG00000157601	MX dynamin like GTPase 1 Source HGNC Symbol Acc HGNC 7532
G08	UPFH1132918	ENST00000550689.1	OAS1	ENSG00000089127	2'-5'-oligoadenylate synthetase 1 Source HGNC Symbol Acc HGNC 8086
G09	UPFH0134682	ENST00000559123.5	PSME1	ENSG00000092010	proteasome activator subunit 1 Source HGNC Symbol Acc HGNC 9568
G10	UPFH0486885	ENST00000458222.5	PYHIN1	ENSG00000163564	pyrin and HIN domain family member 1 Source HGNC Symbol Acc HGNC 28894
G11	UPFH0204701	ENST00000455674.2	SP110	ENSG00000135899	SP110 nuclear body protein Source HGNC Symbol Acc HGNC 5401
G12	UPFH1132742	ENST00000591111.5	TTN	ENSG00000155657	titin Source HGNC Symbol Acc HGNC 12403
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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