

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

Human Growth Factors

Cat. no. 249955 UPHS-041ZR

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 (Rotor-Gene): QuantiNova LNA Probe 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 Probe PCR Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMH	BDNF	BMP1	BMP10	BMP2	BMP3	BMP4	BMP5	BMP6	BMP7	BMP8B	ADA2
B	CLC	CSF1	CSF2	CSF3	CSPG5	CXCL1	DKK1	ERAP1	EREG	FGF1	FGF11	FGF13
C	FGF14	FGF17	FGF19	FGF2	FGF22	FGF23	FGF5	FGF6	FGF7	FGF9	VEGFD	GDF10
D	GDF11	GDNF	GPI	HBEGF	IGF1	IGF2	IL10	IL11	IL12B	IL18	IL1A	IL1B
E	IL2	IL3	IL4	INHBA	INHBA	INHBB	JAG1	JAG2	LEFTY1	LEFTY2	LIF	LTBP4
F	MDK	MSTN	NDP	NGF	NODAL	NRG1	NRG2	NRG3	NRTN	NTF3	OSGIN1	PDGFC
G	PGF	PSPN	PTN	SLCO1A2	SPP1	TDGF1	TGFB1	THPO	TNNT1	TYMP	VEGFA	VEGFC
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	UPFH1132228	ENST00000221496.4	AMH	ENSG00000104899	anti-Mullerian hormone Source HGNC Symbol Acc HGNC 464
A02	UPFH0520944	ENST00000525528.1	BDNF	ENSG00000176697	brain derived neurotrophic factor Source HGNC Symbol Acc HGNC 1033
A03	UPFH1132274	ENST00000306385.10	BMP1	ENSG00000168487	bone morphogenetic protein 1 Source HGNC Symbol Acc HGNC 1067
A04	UPFH0318367	ENST00000295379.2	BMP10	ENSG00000163217	bone morphogenetic protein 10 Source HGNC Symbol Acc HGNC 20869
A05	UPFH1132780	ENST00000378827.5	BMP2	ENSG00000125845	bone morphogenetic protein 2 Source HGNC Symbol Acc HGNC 1069
A06	UPFH1132275	ENST00000282701.3	BMP3	ENSG00000152785	bone morphogenetic protein 3 Source HGNC Symbol Acc HGNC 1070
A07	UPFH0443169	ENST00000558984.1	BMP4	ENSG00000125378	bone morphogenetic protein 4 Source HGNC Symbol Acc HGNC 1071
A08	UPFH1132864	ENST00000370830.4	BMP5	ENSG00000112175	bone morphogenetic protein 5 Source HGNC Symbol Acc HGNC 1072
A09	UPFH1172901	ENST00000283147.7	BMP6	ENSG00000153162	bone morphogenetic protein 6 Source HGNC Symbol Acc HGNC 1073
A10	UPFH1132781	ENST00000433911.1	BMP7	ENSG00000101144	bone morphogenetic protein 7 Source HGNC Symbol Acc HGNC 1074
A11	UPFH0580680	ENST00000372827.8	BMP8B	ENSG00000116985	bone morphogenetic protein 8b Source HGNC Symbol Acc HGNC 1075
A12	UPFH0166874	ENST00000649540.1	ADA2	ENSG00000093072	adenosine deaminase 2 Source HGNC Symbol Acc HGNC 1839
B01	UPFH0057123	ENST00000221804.5	CLC	ENSG00000105205	Charcot-Leyden crystal galectin Source HGNC Symbol Acc HGNC 2014
B02	UPFH1132338	ENST00000329608.11	CSF1	ENSG00000184371	colony stimulating factor 1 Source HGNC Symbol Acc HGNC 2432
B03	UPFH1132793	ENST00000296871.4	CSF2	ENSG00000164400	colony stimulating factor 2 Source HGNC Symbol Acc HGNC 2434
B04	UPFH1132794	ENST00000225474.6	CSF3	ENSG00000108342	colony stimulating factor 3 Source HGNC Symbol Acc HGNC 2438
B05	UPFH0330256	ENST00000264723.9	CSPG5	ENSG00000114646	chondroitin sulfate proteoglycan 5 Source HGNC Symbol Acc HGNC 2467
B06	UPFH0494346	ENST00000395761.3	CXCL1	ENSG00000163739	C-X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 4602
B07	UPFH1132868	ENST00000373970.4	DKK1	ENSG00000107984	dickkopf WNT signaling pathway inhibitor 1 Source HGNC Symbol Acc HGNC 2891
B08	UPFH0274124	ENST00000507859.1	ERAP1	ENSG00000164307	endoplasmic reticulum aminopeptidase 1 Source HGNC Symbol Acc HGNC 18173
B09	UPFH0417873	ENST00000507603.1	EREG	ENSG00000124882	epiregulin Source HGNC Symbol Acc HGNC 3443
B10	UPFH0087975	ENST00000612258.4	FGF1	ENSG00000113578	fibroblast growth factor 1 Source HGNC Symbol Acc HGNC 3665
B11	UPFH0600243	ENST00000575235.5	FGF11	ENSG00000161958	fibroblast growth factor 11 Source HGNC Symbol Acc HGNC 3667
B12	UPFH0248413	ENST00000305414.8	FGF13	ENSG00000129682	fibroblast growth factor 13 Source HGNC Symbol Acc HGNC 3670
C01	UPFH0527557	ENST00000468052.1	FGF14	ENSG00000102466	fibroblast growth factor 14 Source HGNC Symbol Acc HGNC 3671
C02	UPFH0413526	ENST00000524314.1	FGF17	ENSG00000158815	fibroblast growth factor 17 Source HGNC Symbol Acc HGNC 3673
C03	UPFH0074640	ENST00000294312.4	FGF19	ENSG00000162344	fibroblast growth factor 19 Source HGNC Symbol Acc HGNC 3675
C04	UPFH0613093	ENST00000264498.7	FGF2	ENSG00000138685	fibroblast growth factor 2 Source HGNC Symbol Acc HGNC 3676
C05	UPFH0297785	ENST00000215530.6	FGF22	ENSG00000070388	fibroblast growth factor 22 Source HGNC Symbol Acc HGNC 3679
C06	UPFH0556966	ENST00000237837.1	FGF23	ENSG00000118972	fibroblast growth factor 23 Source HGNC Symbol Acc HGNC 3680
C07	UPFH0217980	ENST00000507780.1	FGF5	ENSG00000138675	fibroblast growth factor 5 Source HGNC Symbol Acc HGNC 3683
C08	UPFH0181682	ENST00000228837.2	FGF6	ENSG00000111241	fibroblast growth factor 6 Source HGNC Symbol Acc HGNC 3684
C09	UPFH0592547	ENST00000560979.1	FGF7	ENSG00000140285	fibroblast growth factor 7 Source HGNC Symbol Acc HGNC 3685
C10	UPFH0365297	ENST00000461657.1	FGF9	ENSG00000102678	fibroblast growth factor 9 Source HGNC Symbol Acc HGNC 3687
		ENST00000297		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH1132399	904.4	VEGFD	165197	vascular endothelial growth factor D Source HGNC Symbol Acc HGNC 3708
C12	UPFH0565577	ENST00000580279.2	GDF10	ENSG00000266524	growth differentiation factor 10 Source HGNC Symbol Acc HGNC 4215
D01	UPFH0343588	ENST00000546799.1	GDF11	ENSG00000135414	growth differentiation factor 11 Source HGNC Symbol Acc HGNC 4216
D02	UPFH0398280	ENST00000510177.5	GDNF	ENSG00000168621	glial cell derived neurotrophic factor Source HGNC Symbol Acc HGNC 4232
D03	UPFH0554980	ENST00000644934.1	GPI	ENSG00000105220	glucose-6-phosphate isomerase Source HGNC Symbol Acc HGNC 4458
D04	UPFH0129784	ENST00000230990.7	HBEGF	ENSG00000113070	heparin binding EGF like growth factor Source HGNC Symbol Acc HGNC 3059
D05	UPFH0229443	ENST00000337514.10	IGF1	ENSG00000017427	insulin like growth factor 1 Source HGNC Symbol Acc HGNC 5464
D06	UPFH0479939	ENST00000418738.2	IGF2	ENSG00000167244	insulin like growth factor 2 Source HGNC Symbol Acc HGNC 5466
D07	UPFH0028177	ENST00000423557.1	IL10	ENSG00000136634	interleukin 10 Source HGNC Symbol Acc HGNC 5962
D08	UPFH1132477	ENST00000585513.1	IL11	ENSG00000095752	interleukin 11 Source HGNC Symbol Acc HGNC 5966
D09	UPFH0131869	ENST00000231228.2	IL12B	ENSG00000113302	interleukin 12B Source HGNC Symbol Acc HGNC 5970
D10	UPFH1132481	ENST00000528832.1	IL18	ENSG00000150782	interleukin 18 Source HGNC Symbol Acc HGNC 5986
D11	UPFH0436255	ENST00000263339.3	IL1A	ENSG00000115008	interleukin 1 alpha Source HGNC Symbol Acc HGNC 5991
D12	UPFH0163764	ENST00000263341.6	IL1B	ENSG00000125538	interleukin 1 beta Source HGNC Symbol Acc HGNC 5992
E01	UPFH0116492	ENST00000226730.4	IL2	ENSG00000109471	interleukin 2 Source HGNC Symbol Acc HGNC 6001
E02	UPFH0282899	ENST00000296870.2	IL3	ENSG00000164399	interleukin 3 Source HGNC Symbol Acc HGNC 6011
E03	UPFH0226437	ENST00000231449.7	IL4	ENSG00000113520	interleukin 4 Source HGNC Symbol Acc HGNC 6014
E04	UPFH1132485	ENST00000243786.3	INHAI	ENSG00000123999	inhibin subunit alpha Source HGNC Symbol Acc HGNC 6065
E05	UPFH1132486	ENST00000242208.5	INHBA	ENSG00000122641	inhibin subunit beta A Source HGNC Symbol Acc HGNC 6066
E06	UPFH1132487	ENST00000295228.4	INHBB	ENSG00000163083	inhibin subunit beta B Source HGNC Symbol Acc HGNC 6067
E07	UPFH0500277	ENST00000254958.10	JAG1	ENSG00000101384	jagged 1 Source HGNC Symbol Acc HGNC 6188
E08	UPFH0057830	ENST00000553051.1	JAG2	ENSG00000184916	jagged 2 Source HGNC Symbol Acc HGNC 6189
E09	UPFH1132876	ENST00000272134.5	LEFTY1	ENSG00000243709	left-right determination factor 1 Source HGNC Symbol Acc HGNC 6552
E10	UPFH0456954	ENST00000420304.6	LEFTY2	ENSG00000143768	left-right determination factor 2 Source HGNC Symbol Acc HGNC 3122
E11	UPFH1132822	ENST00000249075.4	LIF	ENSG00000128342	LIF, interleukin 6 family cytokine Source HGNC Symbol Acc HGNC 6596
E12	UPFH0460405	ENST00000612121.4	LTBP4	ENSG00000090006	latent transforming growth factor beta binding protein 4 Source HGNC Symbol Acc HGNC 6717
F01	UPFH0255721	ENST00000395566.8	MDK	ENSG00000110492	midkine Source HGNC Symbol Acc HGNC 6972
F02	UPFH0218466	ENST00000260950.4	MSTN	ENSG00000138379	myostatin Source HGNC Symbol Acc HGNC 4223
F03	UPFH0506074	ENST00000378062.6	NDP	ENSG00000124479	NDP, norrin cystine knot growth factor Source HGNC Symbol Acc HGNC 7678
F04	UPFH0235569	ENST00000369512.2	NGF	ENSG00000134259	nerve growth factor Source HGNC Symbol Acc HGNC 7808
F05	UPFH0200048	ENST00000287139.7	NODAL	ENSG00000156574	nodal growth differentiation factor Source HGNC Symbol Acc HGNC 7865
F06	UPFH0407423	ENST00000652592.1	NRG1	ENSG00000157168	neuregulin 1 Source HGNC Symbol Acc HGNC 7997
F07	UPFH0017444	ENST00000541337.5	NRG2	ENSG00000158458	neuregulin 2 Source HGNC Symbol Acc HGNC 7998
F08	UPFH0071086	ENST00000372142.6	NRG3	ENSG00000185737	neuregulin 3 Source HGNC Symbol Acc HGNC 7999
F09	UPFH0122636	ENST00000303212.2	NRTN	ENSG00000171119	neurturin Source HGNC Symbol Acc HGNC 8007
F10	UPFH0062043	ENST00000535299.5	NTF3	ENSG00000185652	neurotrophin 3 Source HGNC Symbol Acc HGNC 8023

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0265962	ENST00000361711.7	OSGIN1	ENSG00000140961	oxidative stress induced growth inhibitor 1 Source HGNC Symbol Acc HGNC 30093
F12	UPFH0529678	ENST00000510982.5	PDGFC	ENSG00000145431	platelet derived growth factor C Source HGNC Symbol Acc HGNC 8801
G01	UPFH1132616	ENST00000555567.6	PGF	ENSG00000119630	placental growth factor Source HGNC Symbol Acc HGNC 8893
G02	UPFH0380101	ENST00000245810.1	PSPN	ENSG00000125650	persephin Source HGNC Symbol Acc HGNC 9579
G03	UPFH0287140	ENST00000348225.6	PTN	ENSG00000105894	pleiotrophin Source HGNC Symbol Acc HGNC 9630
G04	UPFH0414345	ENST00000544020.5	SLCO1A2	ENSG00000084453	solute carrier organic anion transporter family member 1A2 Source HGNC Symbol Acc HGNC 10956
G05	UPFH0044238	ENST00000237623.11	SPP1	ENSG00000118785	secreted phosphoprotein 1 Source HGNC Symbol Acc HGNC 11255
G06	UPFH0362567	ENST00000471721.1	TDGF1	ENSG00000241186	teratocarcinoma-derived growth factor 1 Source HGNC Symbol Acc HGNC 11701
G07	UPFH0193430	ENST00000221930.5	TGFB1	ENSG00000105329	transforming growth factor beta 1 Source NCBI gene Acc 7040
G08	UPFH0214871	ENST00000204615.11	THPO	ENSG00000090534	thrombopoietin Source HGNC Symbol Acc HGNC 11795
G09	UPFH0265817	ENST00000536926.5	TNNT1	ENSG00000105048	troponin T1, slow skeletal type Source HGNC Symbol Acc HGNC 11948
G10	UPFH1132746	ENST00000252029.8	TYMP	ENSG00000025708	thymidine phosphorylase Source HGNC Symbol Acc HGNC 3148
G11	UPFH0281656	ENST00000425836.6	VEGFA	ENSG00000112715	vascular endothelial growth factor A Source HGNC Symbol Acc HGNC 12680
G12	UPFH1132755	ENST00000618562.2	VEGFC	ENSG00000150630	vascular endothelial growth factor C Source HGNC Symbol Acc HGNC 12682
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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