

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

Mouse WNT Signaling Pathway

Cat. no. 249955 UPMM-043ZR

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	Aes	Apc	Axin1	Axin2	Bcl9	Btrc	Ccnd1	Ccnd2	Cank1a1	Cank2a1	Ctbp1	Ctmb1
B	Ctnnbip1	Daam1	Dab2	Dixc1	Dkk1	Dkk3	Dvl1	Dvl2	Ep300	Fbxw11	Fbxw4	Fgf4
C	Fosl1	Foxn1	Frat1	Frzb	Fzd1	Fzd2	Fzd3	Fzd4	Fzd5	Fzd6	Fzd7	Fzd8
D	Fzd9	Gsk3b	Jun	Kremen1	Lef1	Lrp5	Lrp6	Mapk8	Mmp7	Myc	Nfatc1	Nkd1
E	Nlk	Pitx2	Porcn	Ppard	Prickle1	Pygo1	Rhoa	Rhou	Ruvbl1	Sfrp1	Sfrp2	Sfrp4
F	Sox17	Tcf7	Tcf7l1	Tle1	Vangl2	Wif1	Ccn4	Wnt1	Wnt10a	Wnt11	Wnt16	Wnt2
G	Wnt2b	Wnt3	Wnt3a	Wnt4	Wnt5a	Wnt5b	Wnt6	Wnt7a	Wnt7b	Wnt8a	Wnt8b	Wnt9a
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM0941264	ENSMUST00000220368.1	Aes	ENSMUSG0000054452	amino-terminal enhancer of split Source MGI Symbol Acc MGI 95806
A02	UPFM0822814	ENSMUST00000163295.1	Apc	ENSMUSG0000005871	APC, WNT signaling pathway regulator Source MGI Symbol Acc MGI 88039
A03	UPFM0815766	ENSMUST00000168282.2	Axin1	ENSMUSG0000024182	axin 1 Source MGI Symbol Acc MGI 1096327
A04	UPFM0966717	ENSMUST00000052915.13	Axin2	ENSMUSG0000000142	axin 2 Source MGI Symbol Acc MGI 1270862
A05	UPFM0618158	ENSMUST00000196586.1	Bcl9	ENSMUSG0000038256	B cell CLL/lymphoma 9 Source MGI Symbol Acc MGI 1924828
A06	UPFM1005139	ENSMUST00000224478.1	Btrc	ENSMUSG0000025217	beta-transducin repeat containing protein Source MGI Symbol Acc MGI 1338871
A07	UPFM0933463	ENSMUST00000208193.1	Ccnd1	ENSMUSG00000070348	cyclin D1 Source MGI Symbol Acc MGI 88313
A08	UPFM0861442	ENSMUST00000201066.1	Ccnd2	ENSMUSG0000000184	cyclin D2 Source MGI Symbol Acc MGI 88314
A09	UPFM0672502	ENSMUST00000165721.7	Csnk1a1	ENSMUSG0000024576	casein kinase 1, alpha 1 Source MGI Symbol Acc MGI 1934950
A10	UPFM0933987	ENSMUST00000136063.1	Csnk2a1	ENSMUSG00000074698	casein kinase 2, alpha 1 polypeptide Source MGI Symbol Acc MGI 88543
A11	UPFM0618747	ENSMUST00000201372.2	Ctbp1	ENSMUSG0000037373	C-terminal binding protein 1 Source MGI Symbol Acc MGI 1201685
A12	UPFM0985863	ENSMUST00000154356.7	Ctnnb1	ENSMUSG0000006932	catenin (cadherin associated protein), beta 1 Source MGI Symbol Acc MGI 88276
B01	UPFM0740522	ENSMUST00000105692.1	Ctnnbip1	ENSMUSG0000028988	catenin beta interacting protein 1 Source MGI Symbol Acc MGI 1915756
B02	UPFM0671710	ENSMUST00000222327.1	Daam1	ENSMUSG0000034574	dishevelled associated activator of morphogenesis 1 Source MGI Symbol Acc MGI 1914596
B03	UPFM0827559	ENSMUST00000161812.7	Dab2	ENSMUSG0000022150	disabled 2, mitogen-responsive phosphoprotein Source MGI Symbol Acc MGI 109175
B04	UPFM0698540	ENSMUST00000117646.7	Dixdc1	ENSMUSG0000032064	DIX domain containing 1 Source MGI Symbol Acc MGI 2679721
B05	UPFM1008230	ENSMUST00000025803.8	Dkk1	ENSMUSG0000024868	dickkopf WNT signaling pathway inhibitor 1 Source MGI Symbol Acc MGI 1329040
B06	UPFM0853701	ENSMUST00000033036.6	Dkk3	ENSMUSG0000030772	dickkopf WNT signaling pathway inhibitor 3 Source MGI Symbol Acc MGI 1354952
B07	UPFM0782178	ENSMUST00000168552.1	Dvl1	ENSMUSG0000029071	dishevelled segment polarity protein 1 Source MGI Symbol Acc MGI 94941
B08	UPFM0824828	ENSMUST00000130820.7	Dvl2	ENSMUSG0000020888	dishevelled segment polarity protein 2 Source MGI Symbol Acc MGI 106613
B09	UPFM0639582	ENSMUST00000185967.2	Ep300	ENSMUSG0000055024	E1A binding protein p300 Source MGI Symbol Acc MGI 1276116
B10	UPFM0784035	ENSMUST00000093205.12	Fbxw11	ENSMUSG0000020271	F-box and WD-40 domain protein 11 Source MGI Symbol Acc MGI 2144023
B11	UPFM0998322	ENSMUST00000160003.7	Fbxw4	ENSMUSG0000040913	F-box and WD-40 domain protein 4 Source MGI Symbol Acc MGI 1354698
B12	UPFM1001394	ENSMUST00000208265.1	Fgf4	ENSMUSG0000050917	fibroblast growth factor 4 Source MGI Symbol Acc MGI 95518
C01	UPFM1010176	ENSMUST00000235958.1	Fosl1	ENSMUSG0000024912	fos-like antigen 1 Source MGI Symbol Acc MGI 107179
C02	UPFM0629507	ENSMUST00000108294.1	Foxn1	ENSMUSG0000002057	forkhead box N1 Source MGI Symbol Acc MGI 102949
C03	UPFM0632865	ENSMUST00000087155.4	Frat1	ENSMUSG0000067199	frequently rearranged in advanced T cell lymphomas Source MGI Symbol Acc MGI 109450
C04	UPFM0715643	ENSMUST00000028389.3	Frzb	ENSMUSG0000027004	frizzled-related protein Source MGI Symbol Acc MGI 892032
C05	UPFM0783901	ENSMUST00000054294.6	Fzd1	ENSMUSG0000044674	frizzled class receptor 1 Source MGI Symbol Acc MGI 1196625
C06	UPFM0619651	ENSMUST00000057893.6	Fzd2	ENSMUSG0000050288	frizzled class receptor 2 Source MGI Symbol Acc MGI 1888513
C07	UPFM1005328	ENSMUST00000127272.1	Fzd3	ENSMUSG0000007989	frizzled class receptor 3 Source MGI Symbol Acc MGI 108476
C08	UPFM0893826	ENSMUST00000058755.4	Fzd4	ENSMUSG0000049791	frizzled class receptor 4 Source MGI Symbol Acc MGI 108520
C09	UPFM0787002	ENSMUST00000063982.6	Fzd5	ENSMUSG0000045005	frizzled class receptor 5 Source MGI Symbol Acc MGI 108571
C10	UPFM0680784	ENSMUST00000022906.7	Fzd6	ENSMUSG0000022297	frizzled class receptor 6 Source MGI Symbol Acc MGI 108474
	UPFM068124	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	6	114246.3	Fzd7	000041075	frizzled class receptor 7 Source MGI Symbol Acc MGI 108570
C12	UPFM091572 9	ENSMUST00000 041080.6	Fzd8	ENSMUSG00 000036904	frizzled class receptor 8 Source MGI Symbol Acc MGI 108460
D01	UPFM075151 2	ENSMUST00000 062572.2	Fzd9	ENSMUSG00 000049551	frizzled class receptor 9 Source MGI Symbol Acc MGI 1313278
D02	UPFM098687 7	ENSMUST00000 114750.1	Gsk3b	ENSMUSG00 000022812	glycogen synthase kinase 3 beta Source MGI Symbol Acc MGI 1861437
D03	UPFM097521 6	ENSMUST00000 107094.1	Jun	ENSMUSG00 000052684	jun proto-oncogene Source MGI Symbol Acc MGI 96646
D04	UPFM090536 5	ENSMUST00000 020662.14	Kremen1	ENSMUSG00 000020393	kringle containing transmembrane protein 1 Source MGI Symbol Acc MGI 1933988
D05	UPFM080218 9	ENSMUST00000 136147.7	Lef1	ENSMUSG00 000027985	lymphoid enhancer binding factor 1 Source MGI Symbol Acc MGI 96770
D06	UPFM089109 2	ENSMUST00000 177294.1	Lrp5	ENSMUSG00 000024913	low density lipoprotein receptor-related protein 5 Source MGI Symbol Acc MGI 1278315
D07	UPFM074162 7	ENSMUST00000 126836.3	Lrp6	ENSMUSG00 000030201	low density lipoprotein receptor-related protein 6 Source MGI Symbol Acc MGI 1298218
D08	UPFM091565 7	ENSMUST00000 111944.9	Mapk8	ENSMUSG00 000021936	mitogen-activated protein kinase 8 Source MGI Symbol Acc MGI 1346861
D09	UPFM090007 1	ENSMUST00000 018767.7	Mmp7	ENSMUSG00 000018623	matrix metalloproteinase 7 Source MGI Symbol Acc MGI 103189
D10	UPFM081421 4	ENSMUST00000 161976.7	Myc	ENSMUSG00 000022346	myelocytomatosis oncogene Source MGI Symbol Acc MGI 97250
D11	UPFM095588 1	ENSMUST00000 170905.8	Nfatc1	ENSMUSG00 000033016	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1 Source MGI Symbol Acc MGI 102469
D12	UPFM100767 0	ENSMUST00000 169179.2	Nkd1	ENSMUSG00 000031661	naked cuticle 1 Source MGI Symbol Acc MGI 2135954
E01	UPFM063530 9	ENSMUST00000 170394.1	Nlk	ENSMUSG00 000017376	nemo like kinase Source MGI Symbol Acc MGI 1201387
E02	UPFM083472 7	ENSMUST00000 172645.7	Pitx2	ENSMUSG00 000028023	paired-like homeodomain transcription factor 2 Source MGI Symbol Acc MGI 109340
E03	UPFM080369 2	ENSMUST00000 154695.7	Porcn	ENSMUSG00 000031169	porcupine O-acyltransferase Source MGI Symbol Acc MGI 1890212
E04	UPFM096380 9	ENSMUST00000 002320.15	Ppard	ENSMUSG00 000002250	peroxisome proliferator activator receptor delta Source MGI Symbol Acc MGI 101884
E05	UPFM087109 2	ENSMUST00000 048982.10	Prickle1	ENSMUSG00 000036158	prickle planar cell polarity protein 1 Source MGI Symbol Acc MGI 1916034
E06	UPFM065215 1	ENSMUST00000 038489.5	Pygo1	ENSMUSG00 000034910	pygopus 1 Source MGI Symbol Acc MGI 1919385
E07	UPFM080926 1	ENSMUST00000 007959.13	Rhoa	ENSMUSG00 000007815	ras homolog family member A Source MGI Symbol Acc MGI 1096342
E08	UPFM068652 2	ENSMUST00000 045487.3	Rhou	ENSMUSG00 000039960	ras homolog family member U Source MGI Symbol Acc MGI 1916831
E09	UPFM096370 0	ENSMUST00000 032165.15	Ruvbl1	ENSMUSG00 000030079	RuvB-like protein 1 Source MGI Symbol Acc MGI 1928760
E10	UPFM083115 9	ENSMUST00000 033952.7	Sfrp1	ENSMUSG00 000031548	secreted frizzled-related protein 1 Source MGI Symbol Acc MGI 892014
E11	UPFM088753 1	ENSMUST00000 029625.7	Sfrp2	ENSMUSG00 000027996	secreted frizzled-related protein 2 Source MGI Symbol Acc MGI 108078
E12	UPFM091382 5	ENSMUST00000 222992.1	Sfrp4	ENSMUSG00 000021319	secreted frizzled-related protein 4 Source MGI Symbol Acc MGI 892010
F01	UPFM067947 2	ENSMUST00000 192650.5	Sox17	ENSMUSG00 000025902	SRY (sex determining region Y)-box 17 Source MGI Symbol Acc MGI 107543
F02	UPFM100710 7	ENSMUST00000 086844.9	Tcf7	ENSMUSG00 000000782	transcription factor 7, T cell specific Source MGI Symbol Acc MGI 98507
F03	UPFM063094 0	ENSMUST00000 114053.8	Tcf7l1	ENSMUSG00 000055799	transcription factor 7 like 1 (T cell specific, HMG box) Source MGI Symbol Acc MGI 1202876
F04	UPFM089157 4	ENSMUST00000 102848.8	Tle1	ENSMUSG00 000008305	transducin-like enhancer of split 1 Source MGI Symbol Acc MGI 104636
F05	UPFM095789 2	ENSMUST00000 138714.1	Vangl2	ENSMUSG00 000026556	VANGL planar cell polarity 2 Source MGI Symbol Acc MGI 2135272
F06	UPFM081548 4	ENSMUST00000 145691.1	Wif1	ENSMUSG00 000020218	Wnt inhibitory factor 1 Source MGI Symbol Acc MGI 1344332
F07	UPFM078330 9	ENSMUST00000 229246.1	Ccn4	ENSMUSG00 000005124	cellular communication network factor 4 Source MGI Symbol Acc MGI 1197008
F08	UPFM069215 7	ENSMUST00000 023734.7	Wnt1	ENSMUSG00 000022997	wingless-type MMTV integration site family, member 1 Source MGI Symbol Acc MGI 98953
F09	UPFM100588 6	ENSMUST00000 187238.1	Wnt10a	ENSMUSG00 000026167	wingless-type MMTV integration site family, member 10A Source MGI Symbol Acc MGI 108071
F10	UPFM074653 5	ENSMUST00000 165240.1	Wnt11	ENSMUSG00 000015957	wingless-type MMTV integration site family, member 11 Source MGI Symbol Acc MGI 101948

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM065954 4	ENSMUST00000 148639.1	Wnt16	ENSMUSG00 000029671	wingless-type MMTV integration site family, member 16 Source MGI Symbol Acc MGI 2136018
F12	UPFM079455 2	ENSMUST00000 010941.5	Wnt2	ENSMUSG00 000010797	wingless-type MMTV integration site family, member 2 Source MGI Symbol Acc MGI 98954
G01	UPFM082888 9	ENSMUST00000 029429.5	Wnt2b	ENSMUSG00 000027840	wingless-type MMTV integration site family, member 2B Source MGI Symbol Acc MGI 1261834
G02	UPFM085703 9	ENSMUST00000 000127.5	Wnt3	ENSMUSG00 000000125	wingless-type MMTV integration site family, member 3 Source MGI Symbol Acc MGI 98955
G03	UPFM077659 1	ENSMUST00000 010044.7	Wnt3a	ENSMUSG00 000009900	wingless-type MMTV integration site family, member 3A Source MGI Symbol Acc MGI 98956
G04	UPFM083063 7	ENSMUST00000 045747.4	Wnt4	ENSMUSG00 000036856	wingless-type MMTV integration site family, member 4 Source MGI Symbol Acc MGI 98957
G05	UPFM099069 5	ENSMUST00000 063465.11	Wnt5a	ENSMUSG00 000021994	wingless-type MMTV integration site family, member 5A Source MGI Symbol Acc MGI 98958
G06	UPFM065525 5	ENSMUST00000 117171.7	Wnt5b	ENSMUSG00 000030170	wingless-type MMTV integration site family, member 5B Source MGI Symbol Acc MGI 98959
G07	UPFM095936 8	ENSMUST00000 189544.1	Wnt6	ENSMUSG00 000033227	wingless-type MMTV integration site family, member 6 Source MGI Symbol Acc MGI 98960
G08	UPFM084122 5	ENSMUST00000 032180.6	Wnt7a	ENSMUSG00 000030093	wingless-type MMTV integration site family, member 7A Source MGI Symbol Acc MGI 98961
G09	UPFM068434 7	ENSMUST00000 023015.14	Wnt7b	ENSMUSG00 000022382	wingless-type MMTV integration site family, member 7B Source MGI Symbol Acc MGI 98962
G10	UPFM068735 8	ENSMUST00000 012426.2	Wnt8a	ENSMUSG00 000012282	wingless-type MMTV integration site family, member 8A Source MGI Symbol Acc MGI 107924
G11	UPFM072985 1	ENSMUST00000 041163.4	Wnt8b	ENSMUSG00 000036961	wingless-type MMTV integration site family, member 8B Source MGI Symbol Acc MGI 109485
G12	UPFM084073 6	ENSMUST00000 108783.3	Wnt9a	ENSMUSG00 000000126	wingless-type MMTV integration site family, member 9A Source MGI Symbol Acc MGI 2446084
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	UPL_MGDC	MGDC	UPL_MGDC	Mouse 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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