

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

Rat Necrosis

Cat. no. 249955 UPRN-141ZR

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	Aifm1	Ar	Atp6v1g2	Bax	Bid	Birc3	Bmf	Bnip3l	Capn1	Capn2	Capn3	Capn5
B	Capn6	Capn7	LOC1009123 80	Car9	Casp8ap2	Cd40	Cetn1	Commd4	Cyba	Cybb	Cyld	Defb1
C	Dpysl4	Fadd	Faf1	Fas	Faslg	Fem1b	Foxo1	Fus	Galnt5	Glud1	Glul	Grb2
D	Hspbap1	Ikbkg	Kcnp1	LOC1009115 19	Madd	Mag	Oga	Myd88	Nfkb1	Ngf	Ngfr	Bex3
E	Nox1	Nox4	Olr1583	Parp1	Parp2	Pltf2	Ppia	Ppid	PVR	Pygl	Rob25	RGD1311517
F	Dennd4a	Ripk1	Ripk2	Ripk3	Slc25a4	Sp1	Spata2	Sycp2	Tmem123	Maco1	LOC1036943 80	AABR0701832 3.1
G	Tnfrsf14	Tnfrsf17	Tnfrsf1a	Tnfrsf1b	Tnfrsf25	Tnfrsf4	Tnfrsf8	Tnfrsf10	Tnfrsf15	Trodd	Traf2	Txn14b
H	Actb	B2m	Hprt1	Ldha	Rplp1	RGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFR1034068	ENSRNOT00000084848.1	Aifm1	ENSRNOG0000006067	apoptosis inducing factor, mitochondria associated 1 Source RGD Symbol Acc 620817
A02	UPFR1020040	ENSRNOT00000009129.7	Ar	ENSRNOG0000005639	androgen receptor Source RGD Symbol Acc 2147
A03	UPFR1170169	ENSRNOT00000001114.5	Atp6v1g2	ENSRNOG0000000840	ATPase H+ transporting V1 subunit G2 Source RGD Symbol Acc 1303186
A04	UPFR1074536	ENSRNOT00000028328.5	Bax	ENSRNOG0000020876	BCL2 associated X, apoptosis regulator Source RGD Symbol Acc 2192
A05	UPFR1018136	ENSRNOT00000016776.2	Bid	ENSRNOG0000012439	BH3 interacting domain death agonist Source RGD Symbol Acc 620160
A06	UPFR1015683	ENSRNOT00000007702.7	Birc3	ENSRNOG0000005731	baculoviral IAP repeat-containing 3 Source RGD Symbol Acc 621282
A07	UPFR1060227	ENSRNOT00000010381.4	Bmf	ENSRNOG0000007529	Bcl2 modifying factor Source RGD Symbol Acc 628658
A08	UPFR1115436	ENSRNOT00000014798.5	Bnip3l	ENSRNOG0000009820	BCL2 interacting protein 3 like Source RGD Symbol Acc 621354
A09	UPFR1072338	ENSRNOT00000028431.6	Capn1	ENSRNOG0000020935	calpain 1 Source RGD Symbol Acc 2267
A10	UPFR1035285	ENSRNOT00000045326.3	Capn2	ENSRNOG0000034015	calpain 2 Source RGD Symbol Acc 2268
A11	UPFR1084780	ENSRNOT00000079079.1	Capn3	ENSRNOG0000008609	calpain 3 Source RGD Symbol Acc 2269
A12	UPFR1014440	ENSRNOT00000019370.7	Capn5	ENSRNOG0000014251	calpain 5 Source RGD Symbol Acc 620084
B01	UPFR1087623	ENSRNOT00000006638.3	Capn6	ENSRNOG0000004882	calpain 6 Source RGD Symbol Acc 70960
B02	UPFR1103962	ENSRNOT00000026323.6	Capn7	ENSRNOG0000019273	calpain 7 Source RGD Symbol Acc 1304855
B03	UPFR1089439	ENSRNOT00000072756.1	LOC100912380	ENSRNOG0000045747	calpain small subunit 1-like Source RGD Symbol Acc 6487412
B04	UPFR1102120	ENSRNOT00000023060.5	Car9	ENSRNOG0000017073	carbonic anhydrase 9 Source RGD Symbol Acc 1306426
B05	UPFR1096660	ENSRNOT00000009228.6	Casp8ap2	ENSRNOG0000006487	caspase 8 associated protein 2 Source RGD Symbol Acc 1305771
B06	UPFR1023025	ENSRNOT000000055148.4	Cd40	ENSRNOG0000018488	CD40 molecule Source RGD Symbol Acc 619830
B07	UPFR1090361	ENSRNOT00000021955.3	Cetn1	ENSRNOG0000016409	centrin 1 Source RGD Symbol Acc 620246
B08	UPFR1100460	ENSRNOT00000064903.1	Commd4	ENSRNOG0000018671	COMM domain containing 4 Source RGD Symbol Acc 1306104
B09	UPFR1109790	ENSRNOT00000017564.6	Cyba	ENSRNOG0000013014	cytochrome b-245 alpha chain Source RGD Symbol Acc 620573
B10	UPFR1106648	ENSRNOT00000038994.3	Cybb	ENSRNOG0000003622	cytochrome b-245 beta chain Source RGD Symbol Acc 620574
B11	UPFR1107889	ENSRNOT00000018888.7	Cyld	ENSRNOG0000014048	CYLD lysine 63 deubiquitinase Source RGD Symbol Acc 1308346
B12	UPFR1024658	ENSRNOT00000018427.4	Defb1	ENSRNOG0000013768	defensin beta 1 Source RGD Symbol Acc 619943
C01	UPFR1073710	ENSRNOT00000029587.2	Dpysl4	ENSRNOG0000027582	dihydropyrimidinase-like 4 Source RGD Symbol Acc 2409
C02	UPFR1101946	ENSRNOT00000075089.3	Fadd	ENSRNOG0000047035	Fas associated via death domain Source RGD Symbol Acc 628700
C03	UPFR1065513	ENSRNOT000000111765.6	Faf1	ENSRNOG0000008523	Fas associated factor 1 Source RGD Symbol Acc 70987
C04	UPFR1075141	ENSRNOT00000025928.5	Fas	ENSRNOG0000019142	Fas cell surface death receptor Source RGD Symbol Acc 619831
C05	UPFR1108356	ENSRNOT00000003998.2	Faslg	ENSRNOG0000002978	Fas ligand Source RGD Symbol Acc 3880
C06	UPFR1038339	ENSRNOT00000009368.6	Fem1b	ENSRNOG0000007077	fem-1 homolog B Source RGD Symbol Acc 1304569
C07	UPFR1058401	ENSRNOT00000009058.6	Foxi1	ENSRNOG0000006293	forkhead box I1 Source RGD Symbol Acc 1307421
C08	UPFR1023898	ENSRNOT00000031891.4	Fus	ENSRNOG0000023360	FUS RNA binding protein Source RGD Symbol Acc 1308864
C09	UPFR1059007	ENSRNOT00000006319.3	Galnt5	ENSRNOG0000004645	polypeptide N-acetylgalactosaminyltransferase 5 Source RGD Symbol Acc 620361
C10	UPFR1035151	ENSRNOT00000083446.1	Glud1	ENSRNOG0000057367	glutamate dehydrogenase 1 Source RGD Symbol Acc 2708
		ENSRNOT000000		ENSRNOG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFR1034243	075480.2	Glul	000049560	glutamate-ammonia ligase Source RGD Symbol Acc 2710
C12	UPFR1087543	ENSRNOT0000005347.5	Grb2	ENSRNOG0000003990	growth factor receptor bound protein 2 Source RGD Symbol Acc 619758
D01	UPFR1056345	ENSRNOT00000081875.1	Hspbp1	ENSRNOG0000002241	HSPB1 associated protein 1 Source RGD Symbol Acc 620870
D02	UPFR1033544	ENSRNOT00000078438.1	Ikkg	ENSRNOG0000060936	inhibitor of nuclear factor kappa B kinase subunit gamma Source RGD Symbol Acc 735223
D03	UPFR1102506	ENSRNOT00000040737.2	Kcnp1	ENSRNOG0000005365	potassium voltage-gated channel interacting protein 1 Source RGD Symbol Acc 70886
D04	UPFR1023895	ENSRNOT00000025290.5	LOC100911519	ENSRNOG0000018710	p53-induced protein with a death domain-like Source RGD Symbol Acc 6492303
D05	UPFR1112171	ENSRNOT00000079394.1	Madd	ENSRNOG0000012568	MAP-kinase activating death domain Source RGD Symbol Acc 619922
D06	UPFR1017922	ENSRNOT00000028544.5	Mag	ENSRNOG0000021023	myelin-associated glycoprotein Source RGD Symbol Acc 3035
D07	UPFR1099573	ENSRNOT00000065172.3	Oga	ENSRNOG0000017822	O-GlcNAcase Source RGD Symbol Acc 621077
D08	UPFR1120879	ENSRNOT00000018341.5	Myd88	ENSRNOG0000013634	MYD88, innate immune signal transduction adaptor Source RGD Symbol Acc 735043
D09	UPFR1116688	ENSRNOT00000036838.4	Nfkb1	ENSRNOG0000023258	nuclear factor kappa B subunit 1 Source RGD Symbol Acc 70498
D10	UPFR1044499	ENSRNOT00000022200.6	Ngf	ENSRNOG0000016571	nerve growth factor Source RGD Symbol Acc 1598328
D11	UPFR1048810	ENSRNOT00000007268.3	Ngfr	ENSRNOG0000005392	nerve growth factor receptor Source RGD Symbol Acc 3177
D12	UPFR1091953	ENSRNOT00000045997.4	Bex3	ENSRNOG0000028822	brain expressed X-linked 3 Source RGD Symbol Acc 3148
E01	UPFR1027661	ENSRNOT00000075325.1	Nox1	ENSRNOG0000048706	NADPH oxidase 1 Source RGD Symbol Acc 620598
E02	UPFR1087720	ENSRNOT00000018990.6	Nox4	ENSRNOG0000013925	NADPH oxidase 4 Source RGD Symbol Acc 620600
E03	UPFR1059552	ENSRNOT00000044784.1	Olr1583	ENSRNOG0000045582	olfactory receptor 1583 Source RGD Symbol Acc 1333448
E04	UPFR1022638	ENSRNOT00000004232.5	Parp1	ENSRNOG0000003084	poly (ADP-ribose) polymerase 1 Source RGD Symbol Acc 2053
E05	UPFR1118434	ENSRNOT00000011840.6	Parp2	ENSRNOG0000008892	poly (ADP-ribose) polymerase 2 Source RGD Symbol Acc 1310568
E06	UPFR1046086	ENSRNOT00000066739.3	Phf2	ENSRNOG0000013517	putative homeodomain transcription factor 2 Source RGD Symbol Acc 1310593
E07	UPFR1113845	ENSRNOT00000079015.1	Ppia	ENSRNOG0000027864	peptidylprolyl isomerase A Source RGD Symbol Acc 3372
E08	UPFR1030191	ENSRNOT00000037890.4	Ppid	ENSRNOG0000027408	peptidylprolyl isomerase D Source RGD Symbol Acc 1303174
E09	UPFR1103254	ENSRNOT00000064305.3	PVR	ENSRNOG0000019202	poliovirus receptor Source RGD Symbol Acc 3813
E10	UPFR1053288	ENSRNOT00000009183.5	Pygl	ENSRNOG0000006388	glycogen phosphorylase L Source RGD Symbol Acc 620687
E11	UPFR1101757	ENSRNOT00000032355.5	Rab25	ENSRNOG0000023640	RAB25, member RAS oncogene family Source RGD Symbol Acc 1308447
E12	UPFR1070720	ENSRNOT00000027347.5	RGD1311517	ENSRNOG0000020199	similar to RIKEN cDNA 9430015G10 Source RGD Symbol Acc 1311517
F01	UPFR1024122	ENSRNOT00000016260.8	Dennd4a	ENSRNOG0000011739	DENN domain containing 4A Source RGD Symbol Acc 1562639
F02	UPFR1111177	ENSRNOT00000023962.5	Ripk1	ENSRNOG0000017787	receptor interacting serine/threonine kinase 1 Source RGD Symbol Acc 1310158
F03	UPFR1074419	ENSRNOT00000012963.5	Ripk2	ENSRNOG0000009389	receptor-interacting serine-threonine kinase 2 Source RGD Symbol Acc 1309167
F04	UPFR1014608	ENSRNOT00000027759.4	Ripk3	ENSRNOG0000020465	receptor-interacting serine-threonine kinase 3 Source RGD Symbol Acc 628899
F05	UPFR1053922	ENSRNOT00000014704.4	Slc25a4	ENSRNOG0000010830	solute carrier family 25 member 4 Source RGD Symbol Acc 620352
F06	UPFR1092400	ENSRNOT00000019403.6	Sp1	ENSRNOG0000014084	Sp1 transcription factor Source RGD Symbol Acc 3738
F07	UPFR1083875	ENSRNOT00000012604.4	Spata2	ENSRNOG0000009207	spermatogenesis associated 2 Source RGD Symbol Acc 620754
F08	UPFR1048953	ENSRNOT00000079019.1	Sypc2	ENSRNOG0000061690	synaptonemal complex protein 2 Source RGD Symbol Acc 69429
F09	UPFR1084920	ENSRNOT00000086251.1	Tmem123	ENSRNOG0000010584	transmembrane protein 123 Source RGD Symbol Acc 1305625
F10	UPFR1113383	ENSRNOT00000079536.1	Maco1	ENSRNOG0000056156	macoilin 1 Source RGD Symbol Acc 1561685

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFR1098022	ENSRNOT00000079677.1	LOC103694380	ENSRNOG0000055156	tumor necrosis factor-like Source RGD Symbol Acc 9404643
F12	UPFR1016844	ENSRNOT00000066128.4	AABR07018323.1	ENSRNOG0000038483	
G01	UPFR1038022	ENSRNOT00000018494.5	Tnfrsf14	ENSRNOG0000013820	TNF receptor superfamily member 14 Source RGD Symbol Acc 1310115
G02	UPFR1028691	ENSRNOT00000035886.5	Tnfrsf17	ENSRNOG0000021987	TNF receptor superfamily member 17 Source RGD Symbol Acc 1304703
G03	UPFR1079067	ENSRNOT00000048529.4	Tnfrsf1a	ENSRNOG0000031312	TNF receptor superfamily member 1A Source RGD Symbol Acc 621237
G04	UPFR1064277	ENSRNOT00000022478.4	Tnfrsf1b	ENSRNOG0000016575	TNF receptor superfamily member 1B Source RGD Symbol Acc 621238
G05	UPFR1024276	ENSRNOT00000055466.2	Tnfrsf25	ENSRNOG0000021814	TNF receptor superfamily member 25 Source RGD Symbol Acc 1598206
G06	UPFR1097673	ENSRNOT00000027251.4	Tnfrsf4	ENSRNOG0000020106	TNF receptor superfamily member 4 Source RGD Symbol Acc 3920
G07	UPFR1119781	ENSRNOT00000022968.4	Tnfrsf8	ENSRNOG0000016782	TNF receptor superfamily member 8 Source RGD Symbol Acc 3879
G08	UPFR1107113	ENSRNOT00000017758.5	Tnfrsf10	ENSRNOG0000013269	TNF superfamily member 10 Source RGD Symbol Acc 628734
G09	UPFR1094917	ENSRNOT00000011845.3	Tnfrsf15	ENSRNOG0000008930	TNF superfamily member 15 Source RGD Symbol Acc 628735
G10	UPFR1034627	ENSRNOT00000020405.6	Tradd	ENSRNOG0000015179	TNFRSF1A-associated via death domain Source RGD Symbol Acc 621313
G11	UPFR1056890	ENSRNOT00000008253.6	Traf2	ENSRNOG0000006238	Tnf receptor-associated factor 2 Source RGD Symbol Acc 1310457
G12	UPFR1107823	ENSRNOT00000034676.4	Txn14b	ENSRNOG0000021379	thioredoxin-like 4B Source RGD Symbol Acc 1305127
H01	UPFR1132952	ENSRNOT00000080216.1	Actb	ENSRNOG0000034254	actin, beta Source RGD Symbol Acc 628837
H02	UPFR1132953	ENSRNOT00000023017.5	B2m	ENSRNOG0000017123	beta-2 microglobulin Source RGD Symbol Acc 2189
H03	UPFR1132959	ENSRNOT00000065935.3	Hprt1	ENSRNOG0000048561	hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826
H04	UPFR1018740	ENSRNOT00000017468.2	Ldha	ENSRNOG0000013009	lactate dehydrogenase A Source RGD Symbol Acc 2996
H05	UPFR1132958	ENSRNOT00000018820.5	Rplp1	ENSRNOG0000013874	ribosomal protein lateral stalk subunit P1 Source RGD Symbol Acc 621774
H06	UPFR1126610	UPL_RGDC	RGDC	UPL_RGDC	Rat 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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