

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

Rat Allergy & Asthma

Cat. no. 249955 UPRN-067ZR

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	Adam33	Adrb2	Alox5	Areg	Arg1	Bcl6	Ccl11	Ccl12	Ccl17	Ccl22	Ccl24	Ccl4
B	Cd5	Ccr3	Ccr4	Ccr8	Cd40lg	Chi3l1	Chia	Cla1	Cma1	Cpa3	Crtf2	Csf2
C	Csf3r	Cysltr1	LOC100361866	Epx	Ets1	Fcer1a	Foxp3	Gata3	Pdgfr2	Icos	Ifng	Ifngr2
D	Il10	Il12a	Il12b	Il13	Il13a1	Il13a2	Il17a	Il17rb	Il18	Il1r1	Il21	Il25
E	Il2ra	Il3	Il33	Il3ra	Il4	Il4r	Il5	Il5ra	Il6	Il9	Itga4	Kit
F	Kitlg	Ltb4r	Maf	Mmp9	Mrc1	Ms4a2	NEWGENE_1311658	Pmch	Postn	Pparg	Prg2	Rnase17
G	Rnase2	Rorc	Satb1	Spi1	Stat1	Stat5a	Stat6	Tbx21	Tgfb1	Tnfrsf4	Tnfrsf4	Tpsb2
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	UPFR1081469	ENSRNOT00000051404.6	Adam33	ENSRNOG00000021242	ADAM metallopeptidase domain 33 Source RGD Symbol Acc 1305278
A02	UPFR1035973	ENSRNOT00000026098.3	Adrb2	ENSRNOG00000019217	adrenoceptor beta 2 Source RGD Symbol Acc 2060
A03	UPFR1115697	ENSRNOT00000017633.5	Alox5	ENSRNOG00000012972	arachidonate 5-lipoxygenase Source RGD Symbol Acc 2096
A04	UPFR1060559	ENSRNOT00000003703.4	Areg	ENSRNOG0000002754	amphiregulin Source RGD Symbol Acc 2149
A05	UPFR1104997	ENSRNOT00000017911.5	Arg1	ENSRNOG00000013304	arginase 1 Source RGD Symbol Acc 2150
A06	UPFR1043878	ENSRNOT00000002522.4	Bcl6	ENSRNOG0000001843	BCL6, transcription repressor Source RGD Symbol Acc 1309345
A07	UPFR1034165	ENSRNOT00000009756.5	Ccl11	ENSRNOG0000007335	C-C motif chemokine ligand 11 Source RGD Symbol Acc 3644
A08	UPFR1080637	ENSRNOT000000031626.5	Ccl12	ENSRNOG00000029768	chemokine (C-C motif) ligand 12 Source RGD Symbol Acc 1309255
A09	UPFR1085781	ENSRNOT000000021842.2	Ccl17	ENSRNOG00000016278	C-C motif chemokine ligand 17 Source RGD Symbol Acc 619924
A10	UPFR1070569	ENSRNOT000000022167.3	Ccl22	ENSRNOG00000016535	C-C motif chemokine ligand 22 Source RGD Symbol Acc 619933
A11	UPFR1058995	ENSRNOT000000045157.3	Ccl24	ENSRNOG00000031162	C-C motif chemokine ligand 24 Source RGD Symbol Acc 1310245
A12	UPFR1110783	ENSRNOT000000015199.3	Ccl4	ENSRNOG00000011406	C-C motif chemokine ligand 4 Source RGD Symbol Acc 620441
B01	UPFR1019085	ENSRNOT000000014865.6	Ccl5	ENSRNOG00000010906	C-C motif chemokine ligand 5 Source RGD Symbol Acc 69069
B02	UPFR1051215	ENSRNOT000000008809.4	Ccr3	ENSRNOG00000006736	C-C motif chemokine receptor 3 Source RGD Symbol Acc 620593
B03	UPFR1083127	ENSRNOT000000013705.3	Ccr4	ENSRNOG00000010315	C-C motif chemokine receptor 4 Source RGD Symbol Acc 620594
B04	UPFR1086760	ENSRNOT000000029766.1	Ccr8	ENSRNOG00000026759	C-C motif chemokine receptor 8 Source RGD Symbol Acc 1304893
B05	UPFR1038741	ENSRNOT000000001162.4	Cd40lg	ENSRNOG00000000871	CD40 ligand Source RGD Symbol Acc 708418
B06	UPFR1062759	ENSRNOT000000078599.1	Chi3l1	ENSRNOG00000053272	chitinase 3 like 1 Source RGD Symbol Acc 620874
B07	UPFR1054866	ENSRNOT000000086321.1	Chia	ENSRNOG00000033162	chitinase, acidic Source RGD Symbol Acc 1303058
B08	UPFR1021930	ENSRNOT000000084996.1	Clca1	ENSRNOG00000060831	chloride channel accessory 1 Source RGD Symbol Acc 1306258
B09	UPFR1083166	ENSRNOT000000067539.2	Cma1	ENSRNOG00000020563	chymase 1 Source RGD Symbol Acc 2365
B10	UPFR1040440	ENSRNOT000000014970.7	Cpa3	ENSRNOG00000011181	carboxypeptidase A3 Source RGD Symbol Acc 2390
B11	UPFR1021186	ENSRNOT000000075656.1	Crif2	ENSRNOG00000049828	cytokine receptor-like factor 2 Source RGD Symbol Acc 621078
B12	UPFR1084630	ENSRNOT000000032333.3	Csf2	ENSRNOG00000026805	colony stimulating factor 2 Source RGD Symbol Acc 621065
C01	UPFR1030126	ENSRNOT000000011694.6	Csf3r	ENSRNOG00000008759	colony stimulating factor 3 receptor Source RGD Symbol Acc 1309114
C02	UPFR1043457	ENSRNOT000000042799.4	Cysltr1	ENSRNOG00000037845	cysteinyl leukotriene receptor 1 Source RGD Symbol Acc 619796
C03	UPFR1026694	ENSRNOT000000040857.2	LOC100361866	ENSRNOG00000031445	ribonuclease A family member 3 Source RGD Symbol Acc 621580
C04	UPFR1065428	ENSRNOT000000011735.4	Epx	ENSRNOG00000008707	eosinophil peroxidase Source RGD Symbol Acc 1311882
C05	UPFR1072908	ENSRNOT000000011925.4	Ets1	ENSRNOG00000008941	ETS proto-oncogene 1, transcription factor Source RGD Symbol Acc 2583
C06	UPFR1110883	ENSRNOT000000058090.4	Fcer1a	ENSRNOG00000009177	Fc fragment of IgE receptor 1a Source RGD Symbol Acc 2597
C07	UPFR1116172	ENSRNOT000000091146.1	Foxp3	ENSRNOG00000011702	forkhead box P3 Source RGD Symbol Acc 1562112
C08	UPFR1027517	ENSRNOT000000026187.5	Gata3	ENSRNOG00000019336	GATA binding protein 3 Source RGD Symbol Acc 621250
C09	UPFR1055058	ENSRNOT000000054808.4	Ptgd2	ENSRNOG00000036631	prostaglandin D2 receptor 2 Source RGD Symbol Acc 1311986
C10	UPFR1053461	ENSRNOT000000071226.2	Icos	ENSRNOG00000046196	inducible T-cell co-stimulator Source RGD Symbol Acc 620123
		ENSRNOT000000		ENSRNOG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFR1084134	009919.2	Ifng	000007468	interferon gamma Source RGD Symbol Acc 2866
C12	UPFR1042484	ENSRNOT0000002779.5	Ifngr2	ENSRNOG0000002032	interferon gamma receptor 2 Source RGD Symbol Acc 1307532
D01	UPFR1113235	ENSRNOT00000006246.5	Il10	ENSRNOG0000004647	interleukin 10 Source RGD Symbol Acc 2886
D02	UPFR1065603	ENSRNOT00000012831.3	Il12a	ENSRNOG0000009468	interleukin 12A Source RGD Symbol Acc 620562
D03	UPFR1060283	ENSRNOT00000005898.6	Il12b	ENSRNOG0000004380	interleukin 12B Source RGD Symbol Acc 628704
D04	UPFR1038252	ENSRNOT00000010121.2	Il13	ENSRNOG0000007652	interleukin 13 Source RGD Symbol Acc 68949
D05	UPFR1121202	ENSRNOT00000017746.6	Il13ra1	ENSRNOG0000013170	interleukin 13 receptor subunit alpha 1 Source RGD Symbol Acc 628741
D06	UPFR1073645	ENSRNOT00000084465.1	Il13ra2	ENSRNOG0000032973	interleukin 13 receptor subunit alpha 2 Source RGD Symbol Acc 620838
D07	UPFR1062668	ENSRNOT00000016664.4	Il17a	ENSRNOG0000012467	interleukin 17A Source RGD Symbol Acc 2888
D08	UPFR1043969	ENSRNOT00000020823.6	Il17rb	ENSRNOG0000015498	interleukin 17 receptor B Source RGD Symbol Acc 1311392
D09	UPFR1053861	ENSRNOT00000013093.6	Il18	ENSRNOG0000009848	interleukin 18 Source RGD Symbol Acc 2889
D10	UPFR1121330	ENSRNOT00000020108.5	Il1rl1	ENSRNOG0000014835	interleukin 1 receptor-like 1 Source RGD Symbol Acc 2894
D11	UPFR1051958	ENSRNOT00000023348.4	Il21	ENSRNOG0000017376	interleukin 21 Source RGD Symbol Acc 1307384
D12	UPFR1019510	ENSRNOT00000022563.4	Il25	ENSRNOG0000016804	interleukin 25 Source RGD Symbol Acc 1561632
E01	UPFR1114337	ENSRNOT00000073144.2	Il2ra	ENSRNOG0000047647	interleukin 2 receptor subunit alpha Source RGD Symbol Acc 2895
E02	UPFR1073307	ENSRNOT00000031762.1	Il3	ENSRNOG0000026786	interleukin 3 Source RGD Symbol Acc 2897
E03	UPFR1088661	ENSRNOT00000022056.7	Il33	ENSRNOG0000016456	interleukin 33 Source RGD Symbol Acc 1311155
E04	UPFR1017162	ENSRNOT00000001792.4	Il3ra	ENSRNOG0000001325	interleukin 3 receptor subunit alpha Source RGD Symbol Acc 628728
E05	UPFR1099283	ENSRNOT00000010029.3	Il4	ENSRNOG0000007624	interleukin 4 Source RGD Symbol Acc 2898
E06	UPFR1040939	ENSRNOT00000088073.1	Il4r	ENSRNOG0000015441	interleukin 4 receptor Source RGD Symbol Acc 2899
E07	UPFR1086524	ENSRNOT00000010729.4	Il5	ENSRNOG0000008111	interleukin 5 Source RGD Symbol Acc 2900
E08	UPFR1022041	ENSRNOT00000008403.3	Il5ra	ENSRNOG0000005954	interleukin 5 receptor subunit alpha Source RGD Symbol Acc 70938
E09	UPFR1098910	ENSRNOT00000013732.6	Il6	ENSRNOG0000010278	interleukin 6 Source RGD Symbol Acc 2901
E10	UPFR1021636	ENSRNOT00000016187.2	Il9	ENSRNOG0000012131	interleukin 9 Source RGD Symbol Acc 620049
E11	UPFR1097667	ENSRNOT00000006880.6	Itga4	ENSRNOG0000004861	integrin subunit alpha 4 Source RGD Symbol Acc 1593249
E12	UPFR1068157	ENSRNOT00000003050.3	Kit	ENSRNOG0000002227	KIT proto-oncogene receptor tyrosine kinase Source RGD Symbol Acc 620568
F01	UPFR1087511	ENSRNOT00000085097.1	Kitlg	ENSRNOG0000005386	KIT ligand Source RGD Symbol Acc 3086
F02	UPFR1058021	ENSRNOT00000027647.2	Ltb4r	ENSRNOG0000020399	leukotriene B4 receptor Source RGD Symbol Acc 620410
F03	UPFR1029368	ENSRNOT00000016577.5	Maf	ENSRNOG0000012428	MAF bZIP transcription factor Source RGD Symbol Acc 3034
F04	UPFR1032957	ENSRNOT00000023965.3	Mmp9	ENSRNOG0000017539	matrix metalloproteinase 9 Source RGD Symbol Acc 621320
F05	UPFR1029851	ENSRNOT00000024736.7	Mrc1	ENSRNOG0000018251	mannose receptor, C type 1 Source RGD Symbol Acc 1309353
F06	UPFR1060398	ENSRNOT00000028491.3	Ms4a2	ENSRNOG0000020993	membrane spanning 4-domains A2 Source RGD Symbol Acc 2598
F07	UPFR1117289	ENSRNOT00000074915.1	NEWGENE_1311658	ENSRNOG0000049797	programmed cell death 1 Source RGD Symbol Acc 1311658
F08	UPFR1039442	ENSRNOT00000006174.3	Pmch	ENSRNOG0000004632	pro-melanin-concentrating hormone Source RGD Symbol Acc 3358
F09	UPFR1075701	ENSRNOT00000084527.1	Postn	ENSRNOG0000012660	periostin Source RGD Symbol Acc 1305285
F10	UPFR1091351	ENSRNOT00000051858.5	Pparg	ENSRNOG0000008839	peroxisome proliferator-activated receptor gamma Source RGD Symbol Acc 3371

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFR1035213	ENSRNOT00000011168.3	Prg2	ENSRNOG0000008394	proteoglycan 2 Source RGD Symbol Acc 69336
F12	UPFR1090125	ENSRNOT00000048941.2	Rnase17	ENSRNOG0000050295	ribonuclease 17 Source RGD Symbol Acc 1359245
G01	UPFR1085910	ENSRNOT00000050820.1	Rnase2	ENSRNOG0000032133	ribonuclease A family member 2 Source RGD Symbol Acc 1359432
G02	UPFR1065346	ENSRNOT00000067042.3	Rorc	ENSRNOG0000020836	RAR-related orphan receptor C Source RGD Symbol Acc 1595785
G03	UPFR1016617	ENSRNOT00000077417.1	Satb1	ENSRNOG0000012942	SATB homeobox 1 Source RGD Symbol Acc 1305561
G04	UPFR1093315	ENSRNOT00000016306.6	Spi1	ENSRNOG0000012172	Spi-1 proto-oncogene Source RGD Symbol Acc 1359607
G05	UPFR1068760	ENSRNOT00000083514.1	Stat1	ENSRNOG0000014079	signal transducer and activator of transcription 4 Source RGD Symbol Acc 1305747
G06	UPFR1042053	ENSRNOT00000026662.3	Stat5a	ENSRNOG0000019496	signal transducer and activator of transcription 5A Source RGD Symbol Acc 3773
G07	UPFR1082210	ENSRNOT00000085350.1	Stat6	ENSRNOG0000025023	signal transducer and activator of transcription 6 Source RGD Symbol Acc 1309063
G08	UPFR1083222	ENSRNOT00000012538.5	Tbx21	ENSRNOG0000009427	T-box 21 Source RGD Symbol Acc 1308264
G09	UPFR1103881	ENSRNOT00000028051.4	Tgfb1	ENSRNOG0000020652	transforming growth factor, beta 1 Source RGD Symbol Acc 69051
G10	UPFR1097673	ENSRNOT00000027251.4	Tnfrsf4	ENSRNOG0000020106	TNF receptor superfamily member 4 Source RGD Symbol Acc 3920
G11	UPFR1107619	ENSRNOT00000003969.5	Tnfsf4	ENSRNOG0000002968	TNF superfamily member 4 Source RGD Symbol Acc 619816
G12	UPFR1098677	ENSRNOT00000025220.6	Tpsb2	ENSRNOG0000018611	tryptase beta 2 Source RGD Symbol Acc 3065
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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