

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

## Rat DNA Damage Signaling Pathway

Cat. no. 249955 UPRN-029ZR

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](http://www.qiagen.com) for further details.

|   | 1            | 2      | 3      | 4       | 5       | 6        | 7     | 8      | 9     | 10             | 11     | 12     |
|---|--------------|--------|--------|---------|---------|----------|-------|--------|-------|----------------|--------|--------|
| A | LOC100909750 | Apex1  | Atm    | Atrx    | Bard1   | Bax      | Bcl3  | Bim    | Brcal | Brcal2         | Cdc25a | Cdc25c |
| B | Cdkn1a       | Sit3a  | Chek2  | Csnk2a2 | Dclre1a | Ddb2     | Ddit3 | Ercc1  | Ercc2 | Exo1           | Fanca  | Fancc  |
| C | Fancd2       | Fancg  | Fen1   | Gadd45a | Gadd45g | Hus1     | Lig1  | Mbd4   | Mgmt  | LOC103694877   | Mlh1   | Mlh3   |
| D | Mpg          | Mre11a | Msh2   | Msh3    | Nbn     | Nth1     | Ogg1  | Parp1  | Parp2 | Pcna           | Pms1   | Pms2   |
| E | Pold3        | Pole   | Polh   | Poli    | Pprm1d  | Ppp1r15a | Prkdc | Ptgg1  | Rad1  | Rad17          | Rad18  | Rad21  |
| F | Rad50        | Rad51  | Rad51c | Rad51b  | Rad52   | Rad9a    | Rev1  | Rnf8   | Rpa1  | AABR07044925.1 | Smc1a  | Smc3   |
| G | Sumo1        | Terf1  | Topbp1 | Tp53    | Tp53bp1 | Ung      | Wrn   | Wrnip1 | Xpc   | Xrcc1          | Xrcc2  | Xrcc6  |
| 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      | UPFR1117746 | ENSRNOT00000<br>042495.5 | LOC10090<br>9750 | ENSRNOG00<br>000047356 | tyrosine-protein kinase ABL1-like Source RGD Symbol Acc 6502032                                 |
| A02      | UPFR1104048 | ENSRNOT00000<br>087958.1 | Apex1            | ENSRNOG00<br>000009663 | apurinic/apyrimidinic endodeoxyribonuclease 1 Source RGD Symbol Acc 2126                        |
| A03      | UPFR1064948 | ENSRNOT00000<br>086812.1 | Atm              | ENSRNOG00<br>000029773 | ATM serine/threonine kinase Source RGD Symbol Acc 1593265                                       |
| A04      | UPFR1051451 | ENSRNOT00000<br>091284.1 | Atrx             | ENSRNOG00<br>000056703 | ATRX, chromatin remodeler Source RGD Symbol Acc 619795  |
| A05      | UPFR1068418 | ENSRNOT00000<br>087870.1 | Bard1            | ENSRNOG00<br>000014960 | BRCA1 associated RING domain 1 Source RGD Symbol Acc 621072                                     |
| A06      | UPFR1074536 | ENSRNOT00000<br>028328.5 | Bax              | ENSRNOG00<br>000020876 | BCL2 associated X, apoptosis regulator Source RGD Symbol Acc 2192                               |
| A07      | UPFR1035458 | ENSRNOT00000<br>025913.6 | Bcl3             | ENSRNOG00<br>000043416 | BCL3, transcription coactivator Source RGD Symbol Acc 1589465                                   |
| A08      | UPFR1014979 | ENSRNOT00000<br>015065.7 | Blim             | ENSRNOG00<br>000011213 | BLM RecQ like helicase Source RGD Symbol Acc 1308810  |
| A09      | UPFR1018614 | ENSRNOT00000<br>083111.1 | Brca1            | ENSRNOG00<br>000020701 | BRCA1, DNA repair associated Source RGD Symbol Acc 2218   |
| A10      | UPFR1085218 | ENSRNOT00000<br>001475.7 | Brca2            | ENSRNOG00<br>000001111 | BRCA2, DNA repair associated Source RGD Symbol Acc 2219   |
| A11      | UPFR1024541 | ENSRNOT00000<br>028141.7 | Cdc25a           | ENSRNOG00<br>000020737 | cell division cycle 25A Source RGD Symbol Acc 621498  |
| A12      | UPFR1053484 | ENSRNOT00000<br>037368.6 | Cdc25c           | ENSRNOG00<br>000024008 | cell division cycle 25C Source RGD Symbol Acc 1311875   |
| B01      | UPFR1028644 | ENSRNOT00000<br>091731.1 | Cdkn1a           | ENSRNOG00<br>000000521 | cyclin-dependent kinase inhibitor 1A Source RGD Symbol Acc 69328                                |
| B02      | UPFR1067768 | ENSRNOT00000<br>082086.1 | Stt3a            | ENSRNOG00<br>000031896 | STT3A, catalytic subunit of the oligosaccharyltransferase complex Source RGD Symbol Acc 1565793 |
| B03      | UPFR1077555 | ENSRNOT00000<br>085591.1 | Chek2            | ENSRNOG00<br>000037509 | checkpoint kinase 2 Source RGD Symbol Acc 621543  |
| B04      | UPFR1028007 | ENSRNOT00000<br>016386.7 | Csnk2a2          | ENSRNOG00<br>000011933 | casein kinase 2 alpha 2 Source RGD Symbol Acc 1306882   |
| B05      | UPFR1063879 | ENSRNOT00000<br>036321.5 | Dclre1a          | ENSRNOG00<br>000026204 | DNA cross-link repair 1A Source RGD Symbol Acc 1306156  |
| B06      | UPFR1019734 | ENSRNOT00000<br>018998.8 | Ddb2             | ENSRNOG00<br>000014071 | damage specific DNA binding protein 2 Source RGD Symbol Acc 1310164                             |
| B07      | UPFR1119718 | ENSRNOT00000<br>008941.5 | Ddit3            | ENSRNOG00<br>000006789 | DNA-damage inducible transcript 3 Source RGD Symbol Acc 62391                                   |
| B08      | UPFR1053097 | ENSRNOT00000<br>024113.5 | Erc1             | ENSRNOG00<br>000017839 | ERCC excision repair 1, endonuclease non-catalytic subunit Source RGD Symbol Acc 1306992        |
| B09      | UPFR1023073 | ENSRNOT00000<br>024246.7 | Erc2             | ENSRNOG00<br>000017753 | ERCC excision repair 2, TFIIH core complex helicase subunit Source RGD Symbol Acc 1309109       |
| B10      | UPFR1061168 | ENSRNOT00000<br>088204.1 | Exo1             | ENSRNOG00<br>000056209 | exonuclease 1 Source RGD Symbol Acc 1309465   |
| B11      | UPFR1034527 | ENSRNOT00000<br>022658.7 | Fanca            | ENSRNOG00<br>000016706 | FA complementation group A Source RGD Symbol Acc 1311380  |
| B12      | UPFR1115266 | ENSRNOT00000<br>022884.6 | Fancc            | ENSRNOG00<br>000016889 | FA complementation group C Source RGD Symbol Acc 2593   |
| C01      | UPFR1025811 | ENSRNOT00000<br>082618.1 | Fancd2           | ENSRNOG00<br>000061085 | FA complementation group D2 Source RGD Symbol Acc 1303172                                       |
| C02      | UPFR1109133 | ENSRNOT00000<br>078082.1 | Fancg            | ENSRNOG00<br>000057945 | FA complementation group G Source RGD Symbol Acc 1587477  |
| C03      | UPFR1032733 | ENSRNOT00000<br>027842.3 | Fen1             | ENSRNOG00<br>000020531 | flap structure-specific endonuclease 1 Source RGD Symbol Acc 621821                             |
| C04      | UPFR1092990 | ENSRNOT00000<br>007698.6 | Gadd45a          | ENSRNOG00<br>000005615 | growth arrest and DNA-damage-inducible, alpha Source RGD Symbol Acc 2654                        |
| C05      | UPFR1119739 | ENSRNOT00000<br>018252.7 | Gadd45g          | ENSRNOG00<br>000013090 | growth arrest and DNA-damage-inducible, gamma Source RGD Symbol Acc 1311796                     |
| C06      | UPFR1092540 | ENSRNOT00000<br>006852.7 | Hus1             | ENSRNOG00<br>000005141 | HUS1 checkpoint clamp component Source RGD Symbol Acc 1591976                                   |
| C07      | UPFR1104235 | ENSRNOT00000<br>019799.6 | Lig1             | ENSRNOG00<br>000014193 | DNA ligase 1 Source RGD Symbol Acc 621424   |
| C08      | UPFR1052576 | ENSRNOT00000<br>014537.7 | Mbd4             | ENSRNOG00<br>000010919 | methyl-CpG binding domain 4 DNA glycosylase Source RGD Symbol Acc 1585874                       |
| C09      | UPFR1110488 | ENSRNOT00000<br>021537.4 | Mgmt             | ENSRNOG00<br>000016038 | O-6-methylguanine-DNA methyltransferase Source RGD Symbol Acc 3087                              |
| C10      | UPFR1126542 | ENSRNOT00000<br>008608.4 | LOC10369<br>4877 | ENSRNOG00<br>000006589 | macrophage migration inhibitory factor Source RGD Symbol Acc 621163                             |
|          |             | ENSRNOT00000             |                  | ENSRNOG00              |   |

| <b>Position</b> | <b>Assay</b> | <b>Name</b>              | <b>Symbol</b>      | <b>Ensembl ID</b>      | <b>Description</b>   |
|-----------------|--------------|--------------------------|--------------------|------------------------|--|
| C11             | UPFR1102175  | 064581.1                 | Mlh1               | 000033809              | mutL homolog 1 Source RGD Symbol Acc 620937                                      |
| C12             | UPFR1105736  | ENSRNOT00000<br>033493.3 | Mlh3               | ENSRNOG00<br>000006699 | mutL homolog 3 Source RGD Symbol Acc 1309227                                     |
| D01             | UPFR1046401  | ENSRNOT00000<br>027940.4 | Mpg                | ENSRNOG00<br>000020571 | N-methylpurine-DNA glycosylase Source RGD Symbol Acc 3106                        |
| D02             | UPFR1015459  | ENSRNOT00000<br>012940.4 | Mre11a             | ENSRNOG00<br>000009506 | MRE11 homolog A, double strand break repair nuclease Source RGD Symbol Acc 69263 |
| D03             | UPFR1084978  | ENSRNOT00000<br>021538.7 | Msh2               | ENSRNOG00<br>000015796 | mutS homolog 2 Source RGD Symbol Acc 620786                                      |
| D04             | UPFR1101725  | ENSRNOT00000<br>018449.7 | Msh3               | ENSRNOG00<br>000013673 | mutS homolog 3 Source RGD Symbol Acc 1563954                                     |
| D05             | UPFR1078597  | ENSRNOT00000<br>012377.4 | Nbn                | ENSRNOG00<br>000008580 | nibrin Source RGD Symbol Acc 621420  |
| D06             | UPFR1115242  | ENSRNOT00000<br>016490.6 | Nth1               | ENSRNOG00<br>000012213 | nth-like DNA glycosylase 1 Source RGD Symbol Acc 1309289                         |
| D07             | UPFR1109071  | ENSRNOT00000<br>085766.1 | Ogg1               | ENSRNOG00<br>000052140 | 8-oxoguanine DNA glycosylase Source RGD Symbol Acc 621168                        |
| D08             | UPFR1022638  | ENSRNOT00000<br>004232.5 | Parp1              | ENSRNOG00<br>000003084 | poly (ADP-ribose) polymerase 1 Source RGD Symbol Acc 2053                        |
| D09             | UPFR1118434  | ENSRNOT00000<br>011840.6 | Parp2              | ENSRNOG00<br>000008892 | poly (ADP-ribose) polymerase 2 Source RGD Symbol Acc 1310568                     |
| D10             | UPFR1093185  | ENSRNOT00000<br>028887.6 | Pcna               | ENSRNOG00<br>000021264 | proliferating cell nuclear antigen Source RGD Symbol Acc 3269                    |
| D11             | UPFR1021702  | ENSRNOT00000<br>043714.4 | Pms1               | ENSRNOG00<br>000004076 | PMS1 homolog 1, mismatch repair system component Source RGD Symbol Acc 1359511   |
| D12             | UPFR1042893  | ENSRNOT00000<br>078603.2 | Pms2               | ENSRNOG00<br>000001040 | PMS1 homolog 2, mismatch repair system component Source RGD Symbol Acc 1305483   |
| E01             | UPFR1047824  | ENSRNOT00000<br>024875.6 | Pold3              | ENSRNOG00<br>000018411 | DNA polymerase delta 3, accessory subunit Source RGD Symbol Acc 1312027          |
| E02             | UPFR1028452  | ENSRNOT00000<br>067453.3 | Pole               | ENSRNOG00<br>000037449 | DNA polymerase epsilon, catalytic subunit Source RGD Symbol Acc 1594540          |
| E03             | UPFR1117740  | ENSRNOT00000<br>026049.3 | Polh               | ENSRNOG00<br>000019195 | DNA polymerase eta Source RGD Symbol Acc 1309893                                 |
| E04             | UPFR1026364  | ENSRNOT00000<br>016189.6 | Poli               | ENSRNOG00<br>000012111 | DNA polymerase iota Source RGD Symbol Acc 1305212                                |
| E05             | UPFR1052968  | ENSRNOT00000<br>004540.6 | Ppm1d              | ENSRNOG00<br>000003329 | protein phosphatase, Mg2+/Mn2+ dependent, 1D Source RGD Symbol Acc 1305460       |
| E06             | UPFR1020390  | ENSRNOT00000<br>044788.4 | Ppp1r15a           | ENSRNOG00<br>000020938 | protein phosphatase 1, regulatory subunit 15A Source RGD Symbol Acc 621526       |
| E07             | UPFR1035960  | ENSRNOT00000<br>035247.7 | Prkdc              | ENSRNOG00<br>000025028 | protein kinase, DNA-activated, catalytic subunit Source RGD Symbol Acc 1308982   |
| E08             | UPFR1075984  | ENSRNOT00000<br>005070.5 | Pttg1              | ENSRNOG00<br>000003802 | pituitary tumor-transforming 1 Source RGD Symbol Acc 68359                       |
| E09             | UPFR1030648  | ENSRNOT00000<br>024557.6 | Rad1               | ENSRNOG00<br>000018063 | RAD1 checkpoint DNA exonuclease Source RGD Symbol Acc 1306496                    |
| E10             | UPFR1120798  | ENSRNOT00000<br>024801.4 | Rad17              | ENSRNOG00<br>000018353 | RAD17 checkpoint clamp loader component Source RGD Symbol Acc 1309515            |
| E11             | UPFR1099912  | ENSRNOT00000<br>066468.2 | Rad18              | ENSRNOG00<br>000005907 | RAD18 E3 ubiquitin protein ligase Source RGD Symbol Acc 1306993                  |
| E12             | UPFR1038991  | ENSRNOT00000<br>006209.5 | Rad21              | ENSRNOG00<br>000004420 | RAD21 cohesin complex component Source RGD Symbol Acc 1594529                    |
| F01             | UPFR1036827  | ENSRNOT00000<br>063772.2 | Rad50              | ENSRNOG00<br>000033065 | RAD50 double strand break repair protein Source RGD Symbol Acc 621542            |
| F02             | UPFR1036915  | ENSRNOT00000<br>056432.2 | Rad51              | ENSRNOG00<br>000037302 | RAD51 recombinase Source RGD Symbol Acc 1563603                                  |
| F03             | UPFR1107431  | ENSRNOT00000<br>008846.5 | Rad51c             | ENSRNOG00<br>000006661 | RAD51 paralog C Source RGD Symbol Acc 1563765                                    |
| F04             | UPFR1103496  | ENSRNOT00000<br>087132.1 | Rad51b             | ENSRNOG00<br>000059245 | RAD51 paralog B Source MGI Symbol Acc MGI 1099436                                |
| F05             | UPFR1021957  | ENSRNOT00000<br>076062.2 | Rad52              | ENSRNOG00<br>000009742 | RAD52 homolog, DNA repair protein Source RGD Symbol Acc 1304975                  |
| F06             | UPFR1020465  | ENSRNOT00000<br>025317.5 | Rad9a              | ENSRNOG00<br>000018729 | RAD9 checkpoint clamp component A Source RGD Symbol Acc 2319938                  |
| F07             | UPFR1077793  | ENSRNOT00000<br>067197.2 | Rev1               | ENSRNOG00<br>000018623 | REV1, DNA directed polymerase Source RGD Symbol Acc 1306715                      |
| F08             | UPFR1019737  | ENSRNOT00000<br>081715.1 | Rnf8               | ENSRNOG00<br>000047171 | ring finger protein 8 Source RGD Symbol Acc 1308035                              |
| F09             | UPFR1121749  | ENSRNOT00000<br>090262.1 | Rpa1               | ENSRNOG00<br>000003123 | replication protein A1 Source RGD Symbol Acc 1307376                             |
| F10             | UPFR1112360  | ENSRNOT00000<br>078739.1 | AABR0704<br>4925.1 | ENSRNOG00<br>000051592 | sirtuin 1 Source NCBI gene Acc 309757  |

| Position | Assay       | Name                     | Symbol  | Ensembl ID             | Description  |
|----------|-------------|--------------------------|---------|------------------------|--|
| F11      | UPFR1121562 | ENSRNOT00000<br>004364.7 | Smc1a   | ENSRNOG00<br>000003139 | structural maintenance of chromosomes 1A Source RGD Symbol Acc 61991                           |
| F12      | UPFR1080035 | ENSRNOT00000<br>019560.7 | Smc3    | ENSRNOG00<br>000014173 | structural maintenance of chromosomes 3 Source RGD Symbol Acc 62006                            |
| G01      | UPFR1073030 | ENSRNOT00000<br>022047.5 | Sumo1   | ENSRNOG00<br>000016133 | small ubiquitin-like modifier 1 Source RGD Symbol Acc 1306919                                  |
| G02      | UPFR1097355 | ENSRNOT00000<br>049741.2 | Terf1   | ENSRNOG00<br>000007291 | telomeric repeat binding factor 1 Source RGD Symbol Acc 1311574                                |
| G03      | UPFR1055514 | ENSRNOT00000<br>013265.7 | Topbp1  | ENSRNOG00<br>000009789 | DNA topoisomerase II binding protein 1 Source RGD Symbol Acc 1562949                           |
| G04      | UPFR1095007 | ENSRNOT00000<br>085115.1 | Tp53    | ENSRNOG00<br>000010756 | tumor protein p53 Source RGD Symbol Acc 3889   |
| G05      | UPFR1103017 | ENSRNOT00000<br>019025.8 | Tp53bp1 | ENSRNOG00<br>000013837 | tumor protein p53 binding protein 1 Source RGD Symbol Acc 1308039                              |
| G06      | UPFR1120516 | ENSRNOT00000<br>056865.3 | Ung     | ENSRNOG00<br>000000692 | uracil-DNA glycosylase Source RGD Symbol Acc 1307200   |
| G07      | UPFR1120697 | ENSRNOT00000<br>058805.5 | Wrn     | ENSRNOG00<br>000015440 | Werner syndrome RecQ like helicase Source RGD Symbol Acc 1564788                               |
| G08      | UPFR1061351 | ENSRNOT00000<br>023332.5 | Wrnp1   | ENSRNOG00<br>000017040 | Werner helicase interacting protein 1 Source RGD Symbol Acc 628836                             |
| G09      | UPFR1016280 | ENSRNOT00000<br>011490.3 | Xpc     | ENSRNOG00<br>000008274 | XPC complex subunit, DNA damage recognition and repair factor Source RGD<br>Symbol Acc 1305760 |
| G10      | UPFR1052544 | ENSRNOT00000<br>027057.5 | Xrcc1   | ENSRNOG00<br>000019915 | X-ray repair cross complementing 1 Source RGD Symbol Acc 619823                                |
| G11      | UPFR1046683 | ENSRNOT00000<br>010025.7 | Xrcc2   | ENSRNOG00<br>000007493 | X-ray repair cross complementing 2 Source RGD Symbol Acc 1564823                               |
| G12      | UPFR1051599 | ENSRNOT00000<br>066849.1 | Xrcc6   | ENSRNOG00<br>000006392 | X-ray repair cross complementing 6 Source RGD Symbol Acc 2643                                  |
| H01      | UPFR1132952 | ENSRNOT00000<br>080216.1 | Actb    | ENSRNOG00<br>000034254 | actin, beta Source RGD Symbol Acc 628837   |
| H02      | UPFR1132953 | ENSRNOT00000<br>023017.5 | B2m     | ENSRNOG00<br>000017123 | beta-2 microglobulin Source RGD Symbol Acc 2189  |
| H03      | UPFR1132959 | ENSRNOT00000<br>065935.3 | Hprt1   | ENSRNOG00<br>000048561 | hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826                            |
| H04      | UPFR1018740 | ENSRNOT00000<br>017468.2 | Ldha    | ENSRNOG00<br>000013009 | lactate dehydrogenase A Source RGD Symbol Acc 2996   |
| H05      | UPFR1132958 | ENSRNOT00000<br>018820.5 | Rplp1   | ENSRNOG00<br>000013874 | 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 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water                    | 205410   |
| QuantiNova Probe RT-PCR Kit (100)*         | For 100 x 20 µl reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 µl QuantiNova Probe RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water | 208352   |
| QuantiNova Probe PCR Kit (100)*            | For 100 x 20 µl reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl 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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