

TATAA GrandPerformance qPCR Assays Cancer Panel

Being specialized in high performance qPCR, leading the development of single cell expression profiling, TATAA is developing highly specific, highly sensitive and extensively optimized qPCR assays for optimum performance. The GrandPerformance assays produce negligible primer-dimers and side products under normal conditions and are the perfect tool for high performance expression profiling. Customers can pick and choose compiling their preferred panels for profiling studies and order the assays or send TATAA the samples for profiling. When samples are sent to TATAA for profiling the TATAA GrandPerformance assays are provided for free. The assays for our cancer panel are listed in the table below.

| Assay Name | Full Gene Name |
|--------------|--|
| ADAM17 | Homo sapiens ADAM metallopeptidase domain 17 |
| AKT2 | v-akt murine thymoma viral oncogene homolog 2 |
| ALDH | Aldehyde dehydrogenase 1 family, member A1 |
| AURKA | Aurora kinase A |
| CCND1 | Homo sapiens cyclin D1 |
| CD24L4 | Homo sapiens CD24 molecule |
| CD44 | Homo sapiens CD44 molecule |
| CDH1 / ECAD | E-cadherin (epithelial) |
| CTSD | Homo sapiens cathepsin D |
| EGFR | Homo sapiens epidermal growth factor receptor |
| EPCAM | Homo sapiens epithelial cell adhesion molecule |
| HER2 / ERBB2 | Homo sapiens v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 |
| ESR1 | Homo sapiens estrogen receptor 1 |
| VEGFR1 | Homo sapiens fms-related tyrosine kinase 1 (FLT1) |
| FOXO | Homo sapiens forkhead box O3 (FOXO3) |
| H2AFZ | Homo sapiens H2A histone family, member Z |
| HDAC2 | Homo sapiens histone deacetylase 2 |
| IBSP | integrin-binding sialoprotein |
| IGFR | Homo sapiens insulin-like growth factor 1 receptor |
| KI67 | Homo sapiens antigen identified by monoclonal antibody Ki-67 |
| KIT | KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog |
| KRAS | Homo sapiens v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog |
| KRT19 | Homo sapiens keratin 19 |
| MCM4 | Homo sapiens minichromosome maintenance complex component 4 |
| MET | met proto-oncogene (hepatocyte growth factor receptor) |
| MRP1 | Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 1 (ABCC1) |
| MRP2 | Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 2 (ABCC2) |
| MRP4 | Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 4 (ABCC4) |
| MRP5 | Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 5 (ABCC5) |
| MTOR | Homo sapiens mechanistic target of rapamycin (serine/threonine kinase) |

| Assay Name | Full gene name |
|--------------|--|
| MUC1 | Homo sapiens mucin 1, cell surface associated |
| Myc | Homo sapiens v-myc myelocytomatosis viral oncogene homolog |
| PARP | Homo sapiens poly (ADP-ribose) polymerase 1 (PARP1) |
| PGR | Homo sapiens progesterone receptor |
| PI3KCA | Homo sapiens phosphoinositide-3-kinase, catalytic, alpha polypeptide |
| PTEN | Homo sapiens phosphatase and tensin homolog |
| CD45 / PTPRC | Homo sapiens protein tyrosine phosphatase, receptor type, C |
| RAD51 | Homo sapiens RAD51 homolog |
| SATB1 | Homo sapiens SATB homeobox 1 |
| SCGB2A/ hMAM | Homo sapiens secretoglobin, family 2A, member 2 |
| TOP2A | Homo sapiens topoisomerase (DNA) II alpha 170kDa |
| TP53 | Homo sapiens tumor protein p53 |
| Twist1 | Homo sapiens twist homolog 1 |
| UPA | Homo sapiens plasminogen activator, urokinase (PLAU) |
| VEGFA | Homo sapiens vascular endothelial growth factor A |
| VIM | Homo sapiens vimentin |
| WHSC1L1_L1 | Wolf-Hirschhorn syndrome candidate 1-like 1, transcript variant long |
| WHSC1S1_S1 | Wolf-Hirschhorn syndrome candidate 1-like 1, transcript variant short |
| CCNE2 | cyclin E2 |
| PPIC | peptidylprolyl isomerase C (cyclophilin C) |
| SLC6A8 | solute carrier family 6 (neurotransmitter transporter, creatine), member 8 |
| Hjrp | Holliday junction recognition protein |
| EMP2 | epithelial membrane protein 2 |
| MAL2 | mal, T-cell differentiation protein 2 |
| GAPDH | glyceraldehyde-3-phosphate dehydrogenase |
| ACTB | Actin, beta |
| B2M | Beta-2-microglobulin |
| GUSB | Glucuronidase, beta |
| HPRT1 | Hypoxanthine phosphoribosyltransferase 1 |
| PPIA | Peptidylprolyl isomerase A (cyclophilin A) |
| RPLP | Ribosomal protein, large, P0 |
| TBP | TATA box binding protein |
| TUBB | Tubulin, beta 2A class IIa |
| UBC | Ubiquitin C |
| YWHAZ | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide |

Contact information and ordering

TATAA GrandPerformance assays can be ordered from our distribution partners around the world or by e-mail at order@tataa.com.