



## Human Bladder Cancer Primer Library

**Catalog No:** HBLCP-1  
**Supplier:** RealTimePrimers  
**Lot No:** XXXXX  
**Supplied as:** solid  
**Stability:** store at -20°C

### Description

Contains 88 primer sets directed against bladder cancer associated genes and 8 housekeeping gene primer sets. Provided in a 96-well microplate (20 ul - 10 uM). Perform up to 100 PCR arrays (based on 20 ul assay volume per reaction). Just add cDNA template and SYBR green master mix.

### Gene List:

- ADAM12 ADAM metallopeptidase domain 12
- ADAM17 ADAM metallopeptidase domain 17
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- AMFR autocrine motility factor receptor, E3 ubiquitin protein ligase
- ANG angiogenin, ribonuclease, RNase A family, 5
- ANXA10 annexin A10
- APC adenomatous polyposis coli
- APOA4 apolipoprotein A-IV
- APOE apolipoprotein E
- AR androgen receptor
- BCL2 B-cell CLL/lymphoma 2
- BIRC2 baculoviral IAP repeat containing 2
- BIRC4 baculoviral IAP repeat containing 4
- BIRC5 baculoviral IAP repeat containing 5
- BNIP3 BCL2/adenovirus E1B 19kDa interacting protein 3
- BSG basigin
- CASP3 caspase 3, apoptosis-related cysteine peptidase
- CCL18 chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
- CCND1 cyclin D1
- CCNE1 cyclin E1
- CDK2 cyclin-dependent kinase 2
- CDK4 cyclin-dependent kinase 4
- CDKN1A cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CDKN2A cyclin-dependent kinase inhibitor 2A
- CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
- CERS2 ceramide synthase 2
- CFLAR CASP8 and FADD-like apoptosis regulator
- CLU clusterin
- CORO1A coronin, actin binding protein, 1A
- CTSB cathepsin B
- CTSL cathepsin L
- CTTN cortactin
- E2F3 E2F transcription factor 3
- EDNRB endothelin receptor type B
- EN2 engrailed homeobox 2
- EOMES eomesodermin
- ERBB2 erb-b2 receptor tyrosine kinase 2
- ERCC1 excision repair cross-complementation group 1
- EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit
- F2 coagulation factor II (thrombin)
- FAS Fas cell surface death receptor
- FGFR3 fibroblast growth factor receptor 3
- FN1 fibronectin 1
- FOXO3A Forkhead box O3
- GATA2 GATA binding protein 2
- GSTM1 glutathione S-transferase mu 1
- GSTP1 glutathione S-transferase pi 1
- HDAC6 histone deacetylase 6
- HMGB1 high mobility group box 1
- HOXA9 homeobox A9
- HRAS Harvey rat sarcoma viral oncogene homolog
- HYAL1 hyaluronoglucosaminidase 1
- ID1 Inhibitor of DNA binding 1
- KRT18 keratin 18, type I
- KRT19 keratin 19, type I
- KRT8 keratin 8, type II
- LRG1 leucine-rich alpha-2-glycoprotein 1
- MYC V-myc myelocytomatosis viral oncogene homolog
- NBN nibrin
- NUMA1 nuclear mitotic apparatus protein 1
- PARK7 Parkinson protein 7
- PDGFRB platelet-derived growth factor receptor, beta polypeptide



- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
- PLK1 polo-like kinase 1
- PMF1 polyamine-modulated factor 1
- PTEN phosphatase and tensin homolog
- RASSF1 Ras association (RalGDS/AF-6) domain family member 1
- RB1 retinoblastoma 1
- REG1A regenerating islet-derived 1 alpha
- S100A8 S100 calcium binding protein A8
- S100A9 S100 calcium binding protein A9
- SEMG2 semenogelin II
- SERPINA1 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
- SOX9 SRY (sex determining region Y)-box 9
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STMN1 stathmin 1
- TBX2 T-box 2
- TGFBI transforming growth factor, beta-induced, 68kDa
- THBS1 thrombospondin 1
- TIMP3 TIMP metalloproteinase inhibitor 3
- TNFRSF10A tumor necrosis factor receptor superfamily, member 10a
- TNFRSF10B tumor necrosis factor receptor superfamily, member 10b
- TP53 tumor protein p53
- TSC1 tuberous sclerosis 1
- TWIST1 twist family bHLH transcription factor 1
- VEGFA vascular endothelial growth factor A
- VIM vimentin
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

#### Usage

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