



Mouse Cell Cycle Primer Library

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

Description

Contains 88 primer sets directed against cell cycle genes and 8 housekeeping genes. 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:

- Abl1 V-abl Abelson murine leukemia viral oncogene homolog 1
- Anapc2 Anaphase promoting complex subunit 2
- Anapc4 Anaphase promoting complex subunit 4
- Atm Ataxia telangiectasia mutated (includes complementation groups A, C and D)
- Atr Ataxia telangiectasia and Rad3 related
- Bax BCL2-associated X protein
- Bccip BRCA2 and CDKN1A interacting protein
- Bcl2 B-cell CLL/lymphoma 2
- Birc5 Baculoviral IAP repeat-containing 5 (survivin)
- Brca1 Breast cancer 1, early onset
- Brca2 Breast cancer 2, early onset
- Ccna1 Cyclin A1
- Ccna2 Cyclin A2
- Ccnb1 Cyclin B1
- Ccnb2 Cyclin B2
- Ccnc Cyclin C
- Ccnd1 Cyclin D1
- Ccnd2 Cyclin D2
- Ccne1 Cyclin E1
- Ccne2 Cyclin E2
- Ccnf Cyclin F
- Ccng1 Cyclin G1
- Ccng2 Cyclin G2
- Ccnh Cyclin H
- Ccnt1 Cyclin T1
- Cdc16 Cell division cycle 16 homolog (S. cerevisiae)
- Cdc2 Cell division cycle 2, G1 to S and G2 to M
- Cdc20 Cell division cycle 20 homolog (S. cerevisiae)
- Cdc34 Cell division cycle 34 homolog (S. cerevisiae)
- Cdk2 Cyclin-dependent kinase 2
- Cdk4 Cyclin-dependent kinase 4
- Cdk5 Cyclin-dependent kinase 5
- Cdk5R1 Cyclin-dependent kinase 5, regulatory subunit 1 (p35)
- Cdk5Rap1 CDK5 regulatory subunit associated protein 1
- Cdk6 Cyclin-dependent kinase 6
- Cdk7 Cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)
- Cdk8 Cyclin-dependent kinase 8
- Cdkn1A Cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- Cdkn1B Cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- Cdkn1C Cyclin-dependent kinase inhibitor 1c
- Cdkn2A Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)
- Cdkn2B Cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
- Cdkn2C Cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
- Cdkn2D Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
- Cdkn3 Cyclin-dependent kinase inhibitor 3 (CDK2- associated dual specificity phosphatase)
- Chek1 CHK1 checkpoint homolog (S. pombe)
- Chek2 CHK2 checkpoint homolog (S. pombe)
- Cks1B CDC28 protein kinase regulatory subunit 1B
- Cks2 CDC28 protein kinase regulatory subunit 2
- Cul1 Cullin 1
- Cul2 Cullin 2
- Cul3 Cullin 3
- Ddx11 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, S. cerevisiae)
- Dnm2 Dynamin 2
- E2f1 E2F transcription factor 1
- E2f2 E2F transcription factor 2
- E2F4 E2F transcription factor 4, p107/p130-binding



- Gadd45A Growth arrest and DNA-damage-inducible, alpha
- Gtf2H1 General transcription factor IIH, polypeptide 1, 62kDa
- Gtse1 G-2 and S-phase expressed 1
- Hus1 HUS1 checkpoint homolog (S. pombe)
- Kntc1 Kinetochore associated 1
- Kpna2 Karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
- Mad2L1 MAD2 mitotic arrest deficient-like 1 (yeast)
- Mad2L2 MAD2 mitotic arrest deficient-like 2 (yeast)
- Mcm2 MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)
- Mcm3 MCM3 minichromosome maintenance deficient 3 (S. cerevisiae)
- Mcm4 MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)
- Mcm5 MCM5 minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)
- Mki67 Antigen identified by monoclonal antibody Ki-67
- Mnat1 Menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)
- Mre11A MRE11 meiotic recombination 11 homolog A (S. cerevisiae)
- Nbn Nibrin
- Pcna Proliferating cell nuclear antigen
- Rad1 RAD1 homolog (S. pombe)
- Rad17 RAD17 homolog (S. pombe)
- Rad51 RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)
- Rb1 Retinoblastoma 1 (including osteosarcoma)
- Rbbp8 Retinoblastoma binding protein 8
- Rbl1 Retinoblastoma-like 1 (p107)
- Rbl2 Retinoblastoma-like 2 (p130)
- Rpa3 Replication protein A3, 14kDa
- Sertad1 SERTA domain containing 1
- Skp2 S-phase kinase-associated protein 2 (p45)
- Sumo1 SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)
- Sumo2 SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)
- Tfdp2 Transcription factor Dp-2 (E2F dimerization partner 2)
- Trp53 Tumor protein p53 (Li-Fraumeni syndrome)
- Actb Actin, beta
- B2m Beta-2-microglobulin
- Gapd 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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