

Product datasheet for MC212996

Cdk10 (NM_194444) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk10 (NM_194444) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cdk10
Synonyms: BC017131
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212996 representing NM_194444
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAAAGAGAAGGATGGCATCCCCATCAGCAGCCTGCGTGAGATCACACTGCTCTTGCGTCTCCGCC
 ATCCAAACATTGTGGAGCTGAAGGAGGTGGTTGTGGGCAACCACCTGGAGAGCATCTTCTGGTCATGGG
 TTA**CTGCGAACAAGATCTGGCCAGCCTATTGAAAATATGCCAACCCCTTCTCGGAGGCCAGGTTAAA**
 TG**CATCATGCTACAGGTCTTCGTGGCCTTCAGTACCTGCACAGGA**ACTCATATCCACAGGGACCTGA
 AGGTGTCCA**ACTT**GCTCATGACAGACAAGGGCTGTGTA**AAAGACAGCTGATTTTGGCCTGGCTCGGGCCTA**
 TGGTGTCCAGTAAAGCCAATGACTCCCAAGGTTGTTACCTCTGGTACCGAGCCCCAGAGCTGTGCTT
 GGA**ACTACCACCCAGACTACCAGCATTGACATGTGGGCTGT**CGGCTGCATCCTGGCAGAGCTGTGGCCC
 ATAAGCCCTCCTCCCTGGCACTCCGAGATCCACCAGATCGACTTGATTGTACAGCTGTTGGGGACACC
 GAGTGAGAATATCTGGCCGGGTTTCTCCAAGCTGCCGCTGGCCGGCCAGTACAGCTTGAGGAAACAGCCC
 TATAACAACCTCAAGCACAAGTCCCGTGGCTCTCAGAGCGCCGACTCCGCTGCTCAACTTCTCTTCA
 TGTATGACCCTAAGAAAAGGGCAACCTCGGGAGACTGCCTGGAGAGCTCCTACTTCAAGGAGAAGCCCT
 GCCCTGTGAACCGGAGCTATGCCTACCTTCCCCACCACCGCAATAAGCGTGTGCCCCAGCTGCCGCT
 GAAGGGCAGAGCAAACGATGCCGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_194444
Insert Size: 870 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_194444.2 , NP_919426.2
RefSeq Size:	1623 bp
RefSeq ORF:	870 bp
Locus ID:	234854
UniProt ID:	Q3UMM4
Cytogenetics:	8 E1
Gene Summary:	<p>The protein encoded by this gene belongs to the CDK (cyclin-dependent kinase) subfamily of the Ser/Thr protein kinase family. The CDK subfamily members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2, and are known to be essential for cell cycle progression. The human ortholog has been shown to play a role in cellular proliferation. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 1. [provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (2) uses an alternate donor splice site at the first exon resulting in translation from a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.</p>