

## Product datasheet for MC212997

### Cdk10 (NM\_194446) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cdk10 (NM\_194446) 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:** >MC212997 representing NM\_194446  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCAGAGGTGGACCTGGAGTCGGATCAGATCCGATTGAAGTGTATCCGTAAGGAAGGTTTCTTACCG  
TGCTCCAGAACACAGGCTGGGAAGATGCCGAAGCGTTAAGGAGTTTGAAGCTGAACCGATTGGCGA  
GGGCACCTATGGCATCGTGTATCGGGCCAGGGATACCCAGACAGATGAAATTGTCGCCCTGAAGAAGGTG  
CGGATGGACAAAGAGAAGGATGGCATCCCCATCAGCAGCCTGCGTGAGATCACACTGCTCTTGCCTCC  
GCCATCCAAACATTGTGGAGCTGAAGGAGTGGTTGTGGGCAACCACTGGAGAGCATCTTCTGTGTCAT  
GGGTTACTGCGAACAAGATCTGGCCAGCCTATTGGAAAATATGCCAACCCCTTCTCGGAGGCCAGGTT  
AAATGCATCATGTACAGGTGCTTCGTGGCCTTCACTACGACAGGAACCTTCAATCCACAGGGACC  
TGAAGGTGTCCAACCTTGCTCATGACAGACAAGGGCTGTGTAAGACAGCTGATTTGGCCTGGCTCGGGC  
CTATGGTGTCCAGTAAAGCCAATGACTCCCAAGTGTACCCTCTGGTACCGAGCCCCAGAGCTGCTG  
CTTGGAACTACCACCCAGACTACCAGCATTGACATGTGGGCTGTCGGCTGCATCCTGGCAGAGCTGCTG  
CCATAAGCCCCCTCCTCCCTGGCACTCCGAGATCCACCAGATCGACTTGATTGTACAGTGTGGGGAC  
ACCGAGTGAGAATATCTGGCCGGGTTTCTCCAAGCTGCCGCTGGCCGGCCAGTACAGCTTGAGGAAACAG  
CCCTATAACAACCTCAAGCACAAGTTCCCGTGGCTCTCAGAGGCCGACTCCGTCTGCTCAACTTCTCT  
TCATGTATGACCTAAGAAAAGGGCAACCTCGGGAGACTGCCTGGAGAGCTCCTACTTCAAGGAGAAGCC  
CCTGCCCTGTGAACCGGAGCTCATGCCTACCTTCCCCACCACCGCAATAAGCGTGCTGCCCCAGCTGCC  
GCTGAAGGGCAGAGCAAACGATGCCGGCC**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_194446



<b>Insert Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_194446.2, NP_919428.1</u>
<b>RefSeq Size:</b>	1661 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	234854
<b>UniProt ID:</b>	<u>Q3UMM4</u>
<b>Cytogenetics:</b>	8 E1
<b>Gene Summary:</b>	<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 (1) represents the longer transcript and encodes the longer isoform (1).</p>