

Product datasheet for **MC207249**

Cdkn2b (NM_007670) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn2b (NM_007670) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cdkn2b
Synonyms: AV083695; INK4b; MTS2; p15; p15(INK4b); p15INK4b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207249 representing NM_007670
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGGCGGCAGCAGTGACGCGGCCTGGCCACCGCCGCGCGGGGCAAGTGGAGACGGTGCGGC
AGCTCCTGGAAGCCGGCGCAGATCCAACGCCCTGAACCGCTTCGGGAGGCGCCAATCCAGGTCATGAT
GATGGGCAGCGCCAGGTGGCAGAGCTGCTGCTGCTCCACGGAGCAGAACCCAATGCGCCGACCCTGCC
ACCTTACCAGACCTGTGCACGACGACGCTCGGGAAGGCTTCTGGACACGCTTGTGCTGCTGCACCGGG
CAGGGGCGCGGCTGGATGTGTGTGACGCTGGGGCCGCTGCCGGTAGACTTGGCTGAAGAGCAGGGCCA
CCGTGACATTGCGAGGTATCTGCACGCTGCCACTGGAGATTGA****

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007670

Insert Size: 393 bp

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:

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_007670.4](#), [NP_031696.1](#)

RefSeq Size: 1393 bp

RefSeq ORF: 393 bp

Locus ID: 12579

UniProt ID: [P55271](#)

Cytogenetics: 4 42.15 cM

Gene Summary: Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest (By similarity).[UniProtKB/Swiss-Prot Function]