

Product datasheet for MR200733

Cdkn2b (NM_007670) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn2b (NM_007670) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdkn2b
Synonyms: AV083695; INK4b; MTS2; p15; p15(INK4b); p15INK4b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200733 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGGGCGGCAGCAGTGACGCGGGCCTGGCCACCGCCGCGCGGGGCAAGTGGAGACGGTGC
 AGCTCCTGGAAGCCGGCGCAGATCCCAACGCCCTGAACCGCTTCGGGAGGCGCCAATCCAGGTCATGAT
 GATGGGCAGCGCCAGGTGGCAGAGCTGCTGCTCCACGGAGCAGAACCAACTGCGCCGACCCTGCC
 ACCCTTACCAGACCTGTGCACGACGAGCTCGGAAGGCTTCTGGACACGCTTGTGCTGCTGCACCGGG
 CAGGGGCGCGGCTGGATGTGTGACGCCTGGGCGCCCTGCCGGTAGACTTAGCTGAAGAGCAGGGCCA
 CCGTGACATTGCGAGGTATCTGCACGCTGCCACTGGAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200733 protein sequence
 Red=Cloning site Green=Tags(s)

MLGSSDAGLATAAARGQVETVRQLLEAGADPNALNRFGRRIQVMMGSAQVAELLLLHGAEPNCADPA
 TLTRPVHDAAREGFLDTLVVLRHAGARLDVCDAWGRLPVDLAEQGHRIARYLHAATGD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_007670

ORF Size: 393 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_007670.2](#)

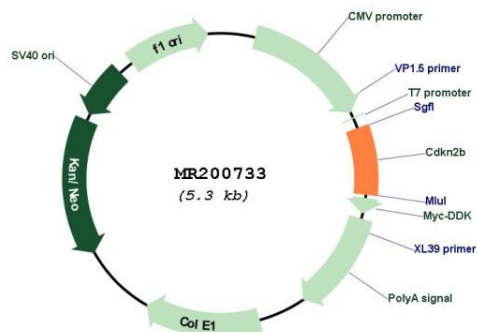
RefSeq Size: 1393 bp

RefSeq ORF: 393 bp

Locus ID: 12579

UniProt ID:	P55271
Cytogenetics:	4 42.15 cM
MW:	13.8 kDa
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]

Product images:



Circular map for MR200733