

Product datasheet for MC208003

Cdkn1c (NM_009876) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkn1c (NM_009876) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdkn1c
Synonyms:	AL024410; CDKI; Kip2; p57(kip2); p57Kip2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208003 representing NM_009876 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAACGCTTGGCTCCAGCGATACCTTCCCAGTGATAGCGGTAGCAGCGCTGCCGAGCCTTTCCGGCCTGTAGACCACGAGGAGCTGGGCCGAGCTGCGGATGCGCCTGGCCGAGCTGAACGCCGAGGACCA
GAACCGCTGGGACTTCAACTTCCAGCAGGATGTGCCTCTCGAGGCCCTGGTCTGTCAGTGGATGGAG
GTGGACAGCGAGTCTGTGCCCGCTTCTACCGCAGACGGTGCAGGTGGGGCGCTGTCGCCTGCAGCTGG
GGCCCCGGCCACCCCGTGGCCGTGGCTGTCATCCCGCTTCTGGGCCCGCGGCTGGCGAGGCCCCCGA
CGGCCTAGAGGAGGCGCCTGAGCAGCCGCCAGCGCCCAAGCCTCGGCCGTGGTCCGGGAGCCACCCCA
CCCGCAGCCCGCCCGGCTTCAGATCTGACCTCAGACCCAATTCGGGAGGTGACCCTGGTCCGCACT
CCGACCCGACTCCGGACCCGATCCCGGACGCGAACCCGGACGTGGCGACTCGGGACGCGGAGGAACAGGT
CCCTGAGCAGGTCTCTGAGCAGGGCGAGGAGTCCGGTGTGAGCCGGGTGATGAGCTGGAACTGAGCCG
GTCTCTGAGCAGGGCGAGGAGCAGGGCGCAGAGCCGGTCGAGGAGAAGGACGAGGAGCCGGAGGAGGAGC
AGGGCGCGGAGCCGGTCGAGGAGCAGGGTCCGGAGCCGGTCGAGGAGCAGAATGGGGAGCCGGTCGAGGA
GCAGGACGAGAATCAAGAGCAGCGGCCAGGAGCTGAAGGACCAGCCTCTCTCGGGATTCCAGGACGT
CCTGCACCCGGGACTGCTGCGGCCAATGCGAACGACTTCTTCGCCAAGCGCAAGAGAAGTCCGAGGAGA
ACAAGGCGTCGAACGACGTCCCTCCAGGTGTCCCTCTCCAACGTGGCTCCTGGGGTGGCGCGGTGGA
GCAGACCCCGCGCAAACGTCTGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_009876
Insert Size:	1008 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:	<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_009876.4 , NP_034006.3
RefSeq Size:	1914 bp
RefSeq ORF:	1008 bp
Locus ID:	12577
UniProt ID:	P49919
Cytogenetics:	7 88.22 cM
Gene Summary:	<p>Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate in-frame splice site in the 5' coding region and uses a downstream start codon, compared to variant 1. The encoded protein (isoform 2) has a shorter C-terminus, compared to isoform 1.</p>