

Product datasheet for MR201957

Cdkn1b (NM_009875) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

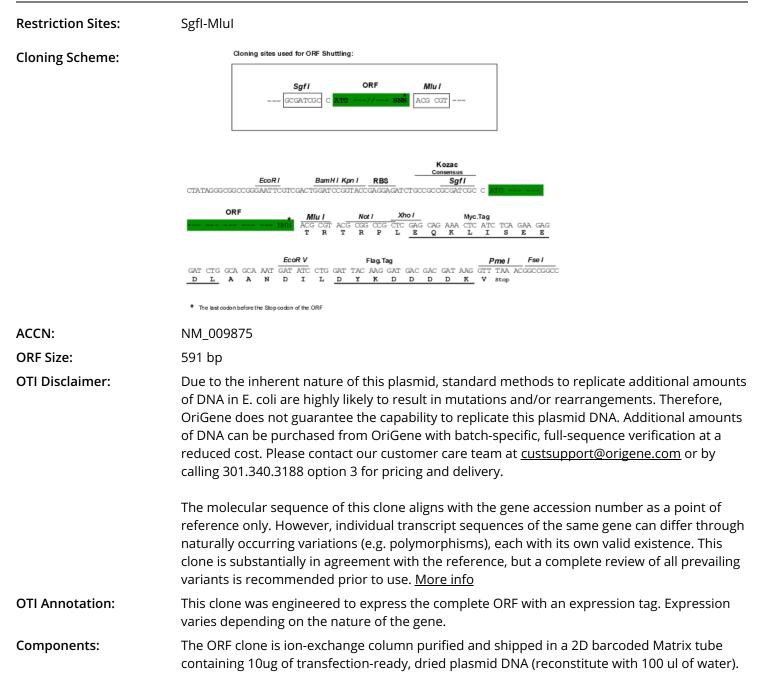
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Product Type:	Expression Plasmids
Product Name:	' Cdkn1b (NM_009875) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdkn1b
Synonyms:	AA408329; Al843786; Kip1; p27; p27Kip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201957 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCAAACGTGAGAGTGTCTAACGGGAGCCCGAGCCTGGAGCGGATGGACGCCAGACAAGCGGATCACC CCAAGCCTTCCGCCTGCAGAAATCTCTTCGGCCCGGTCAATCATGAAGAACTAACCCGGGACTTGGAGAA GCACTGCCGGGATATGGAAGAAGCGAGTCAGCGCAAGTGGAATTTCGACTTTCAGAATCATAAGCCCCTG GAGGGCAGATACGAATGGCAGGAGGTGGAGAGAGGGGCAGCTTGCCCGAGTTCTACTACAGGCCCCCGCGCC CCCCCAAGAGCGCCTGCAAGGTGCTGGCGCAGGAGAGCCAGGATGTCAGCGGGAGCCGCCAGGCGGTGCC TTTAATTGGGTCTCAGGCAAACTCTGAGGACCGGCATTTGGTGGACCAAATGCCTGACTCGTCAGACAAT CAGGCTGGGTTAGCGGAGCAGTGTCCAGGGATGAGGAAGCCACCTGCTGCAGAAGATTCTTCTTCGCAAA ACAAAAGGGCCAACAGAACAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR201957 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MSNVRVSNGSPSLERMDARQADHPKPSACRNLFGPVNHEELTRDLEKHCRDMEEASQRKWNFDFQNHKPL EGRYEWQEVERGSLPEFYYRPPRPPKSACKVLAQESQDVSGSRQAVPLIGSQANSEDRHLVDQMPDSSDN QAGLAEQCPGMRKRPAAEDSSSQNKRANRTEENVSDGSPNAGTVEQTPKKPGLRRQT
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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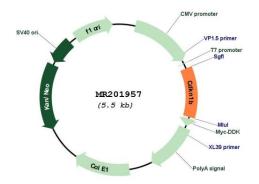




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Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 009875.1</u>
RefSeq Size:	2405 bp
RefSeq ORF:	594 bp
Locus ID:	12576
UniProt ID:	<u>P46414</u>
Cytogenetics:	6 65.77 cM
MW:	22.2 kDa
Gene Summary:	Important regulator of cell cycle progression (PubMed:8033213, PubMed:12972555). Inhibits the kinase activity of CDK2 bound to cyclin A, but has little inhibitory activity on CDK2 bound to SPDYA (By similarity). Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes (PubMed:8033213). Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichometry.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201957

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