

Product datasheet for **MR222503**

Cdk2ap1 (NM_013812) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk2ap1 (NM_013812) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdk2ap1
Synonyms: Apc10; Cdkap1; doc-1; Doc1; DORC1; p12; ST19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222503 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGTACAAGCCGAACCTTGACCGCGCACATGCCCGCCGCCCTCAACGCCGGAAGTGTCCACTCAC
 CCTCTACTAGCATGGCGACCTCCTCCCAATATCGCCAGCTGCTGAGTGACTATGGGCCTCCATCGTAGG
 CTACACCCAGGGAAGTGGAAATAGCCAGGTGCCTCAGAGTAAATATGCAGAGCTGCTGGCCATCATTGAA
 GAGTTGGGAAAGAGATCAGACCGACGTATGCAGGGAGCAAGAGCGCCATGGAGAGGCTAAAACGAGGCA
 TCATTCATGCCCGAGCCTGGTTCGGGAGTGCTTGGCTGAAACGGAACGGAATGCCAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222503 protein sequence
 Red=Cloning site Green=Tags(s)
 MSYKPNLTAHMPAAALNAGSVHSPSTSMATSSQYRQLLSDYGPPSLGYTQGTGNSQVPQSKYAELLAIIIE
 ELGKEIRPTYAGSKSAMERLKRGIHARSLVRECLAETERNARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_013812

ORF Size: 345 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.

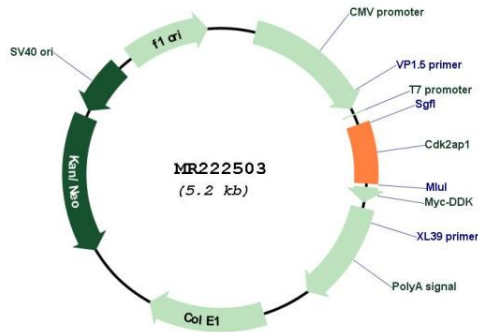
RefSeq: [NM_013812.2](#), [NP_038840.2](#)

RefSeq Size: 1283 bp

RefSeq ORF: 345 bp

Locus ID: 13445
 UniProt ID: [O35207](#)
 Cytogenetics: 5 F
 MW: 12.4 kDa
 Gene Summary: specific inhibitor of the cell-cycle kinase CDK2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222503