

Product datasheet for **MG222503**

Cdk2ap1 (NM_013812) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk2ap1 (NM_013812) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cdk2ap1
Synonyms: Apc10; Cdkap1; doc-1; Doc1; DORC1; p12; ST19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222503 representing NM_013812
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTACAAGCCGAACCTTGACCGCGCACATGCCCGCCGCCCTCAACGCCGGAAGTGTCCACTCAC
CCTCTACTAGCATGGCGACCTCCTCCCAATATCGCCAGCTGCTGAGTGACTATGGGCCTCCATCGTAGG
CTACACCCAGGGAAGTGGAAATAGCCAGGTGCCTCAGAGTAAATATGCAGAGCTGCTGGCCATCATTGAA
GAGTTGGGAAAGAGATCAGACCGACGTATGCAGGGAGCAAGAGCGCCATGGAGAGGCTAAAACGAGGCA
TCATTCATGCCCGGAGCCTGGTTCGGGAGTGCTTGGCTGAAACGGAACGGAATGCCAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222503 representing NM_013812
Red=Cloning site Green=Tags(s)
MSYKPNLTAHMPAAALNAGSVHSPSTSMATSSQYRQLLSDYGPPSLGYTQGTGNSQVPQSKYAELLAIE
ELGKEIRPTYAGSKSAMERLKRGIHARSLVRECLAETERNARS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<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_013812.2 , NP_038840.2
RefSeq Size:	1283 bp
RefSeq ORF:	345 bp
Locus ID:	13445
UniProt ID:	O35207
Cytogenetics:	5 F
Gene Summary:	specific inhibitor of the cell-cycle kinase CDK2.[UniProtKB/Swiss-Prot Function]