

# Product datasheet for MG222503

## Cdk2ap1 (NM\_013812) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

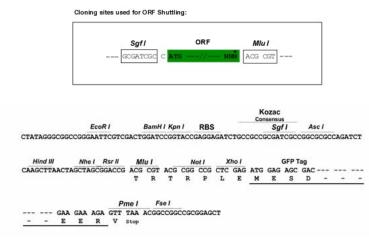
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCGTACAAGCCGAACTTGACCGCGCACATGCCCGCCGCCGCCCCTCAACGCCGGAAGTGTCCACTCAC CCTCTACTAGCATGGCGACCTCCTCCCAATATCGCCAGCTGCTGAGTGACTATGGGCCTCCATCGCTAGG CTACACCCAGGGAACTGGAAATAGCCAGGTGCCTCAGAGTAAATATGCAGAGACTGCTGGCCATCATTGAA GAGTTGGGGAAAGAGATCAGACCGACGTATGCAGGGAGCAAGAGCGCCATGGAAGAGGCTAAAACGAGGCA TCATTCATGCCCGGAGCCTGGTTCGGGAGTGCTTGGCTGAAACGGAACGGAATGCCAGGTCC
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG222503 representing NM_013812 <mark>Red=</mark> Cloning site Green=Tags(s)
	MSYKPNLTAHMPAAALNAGSVHSPSTSMATSSQYRQLLSDYGPPSLGYTQGTGNSQVPQSKYAELLAIIE ELGKEIRPTYAGSKSAMERLKRGIIHARSLVRECLAETERNARS
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul

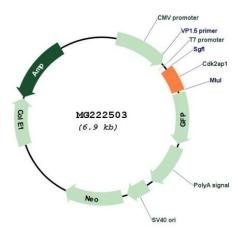


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#### **Cloning Scheme:**



Plasmid Map:



ACCN:	
ORF Size:	
OTI Disclaimer:	

NM\_013812

#### 342 bp

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. <u>More info</u>

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Cdk2ap1 (NM_013812) Mouse Tagged ORF Clone – MG222503	
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 013812.2, NP 038840.2</u>
RefSeq Size:	1283 bp
RefSeq ORF:	345 bp
Locus ID:	13445
UniProt ID:	<u>035207</u>
Cytogenetics:	5 F
Gene Summary:	specific inhibitor of the cell-cycle kinase CDK2.[UniProtKB/Swiss-Prot Function]

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