

Product datasheet for **SC336791**

CDK5RAP1 (NM_001278169) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDK5RAP1 (NM_001278169) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK5RAP1
Synonyms:	C20orf34; C42; CGI-05; HSPC167
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

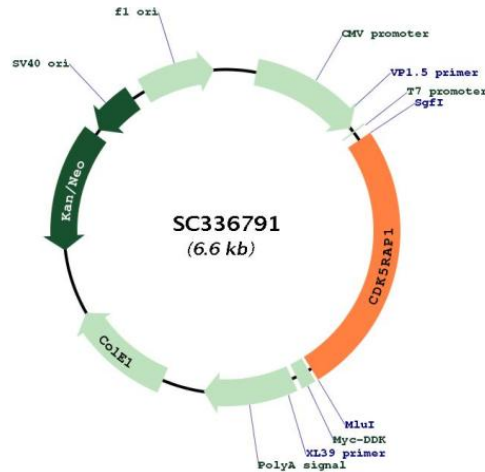


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Fully Sequenced ORF: >SC336791 representing NM_001278169.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCGGCCTGAAGTAGCGGGGAACGGAAGTCGTTGTGTATGAACGCAGCGCGGACCTGTGAGG
GGATCCGACTTGCCGGCAGAACTTACGCTGCGGGACCCGGGCACTGTTGCTGCTGCGGGAGTGCCTCA
GCTCCTCAGGAGAAGCTGTCTTCAGAAGTGGAAGACCCACCTCCCTATCTCATGATGGATGAACTTCTT
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TATGTGCTGGTGAAGATCACCTCAGCCAGTTCAGACACTTAGGGGACATGTTCTCTGCAGGACCACT
CTGAGGGACTCTTCTGCATATTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278169

Insert Size: 1683 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:

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_001278169.1](#)

RefSeq Size: 1911 bp

RefSeq ORF: 1683 bp

Locus ID: 51654

UniProt ID: [Q96SZ6](#)

Cytogenetics: 20q11.21

MW: 62.9 kDa

Gene Summary:

This gene encodes a regulator of cyclin-dependent kinase 5 activity. This protein has also been reported to modify RNA by adding a methylthio-group and may thus have a dual function as an RNA methylthiotransferase and as an inhibitor of cyclin-dependent kinase 5 activity. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, May 2013]

Transcript Variant: This variant (5) differs in the 5' UTR and has multiple coding region differences compared to variant 1. These differences cause translation initiation at an alternate AUG and result in an isoform (e) with a distinct and shorter N-terminus compared to isoform a.