

Product datasheet for **SC336534**

CDK5RAP1 (NM_001278168) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDK5RAP1 (NM_001278168) 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: >SC336534 representing NM_001278168.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCACCCTTTACAGTGTGTCTCCAAGTGCAGAGGTCTCTGGGGTGGGACCATTGGCCTCTGTGTCT
TGGCTGTCGCTGAGGATGTGCAGGGCACACAGCAGTCTCTAGTACCATGTGTCCAGTCCAGAGAGG
CAGGAGGATGGAGCTCGGAAGGATTTACGCTCCAGGCTGGCTGCTGGACCAGCTTTTCAACATTTTTTA
AAAAGTGCCTCAGCTCCTCAGGAGAAGCTGTCTTCAGAAGTGAAGACCCACCTCCCTATCTCATGATG
GATGAACCTTTTGAAGGCAGAGAAAAGTCTACCTCGAGACCTATGGCTGCCAGATGAATGTGAATGAC
ACAGAGATAGCCTGGTCCATCTTACAGAAGAGTGGCTACCTGCGGACCAGTAACCTCCAAGAGGCAGAT
GTGATTCTCCTTGTACATGCTCTATCAGGGAGAAGGCTGAGCAGACCATCTGGAACCGTTTACATCAG
CTTAAAGCCTTGAAGACAAGGCGGCCCGCTCCCGGGTCTCTGAGGATTGGAATTCTAGGCTGCATG
GCTGAGAGGTTGAAGGAGGAGATTCTAACAGAGAGAAAATGGTAGATATTTGGCTGGTCTGATGCC
TACCGGGACCTTCCCGGCTGCTGGCTGTTGCTGAGTCCGGCCAGCAAGCTGCCAACGTGCTGCTCTCT
CTGGACGAGACCTATGCTGATGTCATGCCAGTCCAGACAAGCGCCAGTGCCACGTCTGCCTTTGTGTCA
ATCATGCCAGGCTGTGACAACATGTGTAGCTACTGCATTGTTCCCTTTACCCGGGCGAGGAGAGGAGT
CGGCCTATTGCCTCCATTCTAGAGGAAGTGAAGAAGCTTTCTGAGCAGGTTCTGCAGCTGATTCATGAG
AGAGATAACATCTGTAACAGATCCACCTGCCAGCCAGAGTGAAGCAGCCGTGTGTTGGAGGCCATG
CGGAGGGGATATCAAGAGAAGCTTATGTGGAGTAGTTCACCATATTAGAGAATCTATTCAGGTGTG
AGCCTCAGCAGGATTTCAATTGCTGGCTTTTGTGGTGAGACGGAGGAAGTACAGTCCAGACAGTCTCT
TTGCTCCGGGAAGTTCAGTACAACATGGGCTTCTCTTTGCCTACAGCATGAGACAGAAGACACGGGCA
TATCATAGGCTGAAGGATGATGTCCCAGGAGGTAATAAAGGCGTTTGGAGGAACCTCATCATC
TTCCGAGAAGAACAACAAAAGCCAATCAGACCTCTGTGGGCTGTACCCAGTTGGTGCTAGTGGAAGGG
CTCAGTAAACGCTCTGCCACTGACCTGTGTGGCAGGAATGATGGAACCTTAAGGTGATCTTCCCTGAT
GCAGAGATGGAGGATGTCAATAACCCTGGGCTCAGGGTCAGAGCCAGCCTGGGGACTATGTGCTGGTG
AAGATCACCTCAGCCAGTCTCAGACACTTAGGGGACATGTTCTCTGCAGGACCACTCTGAGGGACTCT
TCTGCATATTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001278168

Insert Size: 1533 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_001278168.1](#)

RefSeq Size: 1912 bp

RefSeq ORF: 1533 bp

Locus ID: 51654

UniProt ID: [Q96SZ6](#)

Cytogenetics: 20q11.21

MW: 57.4 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 (4) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform d which is shorter compared to isoform a.