

Product datasheet for **RC224233**

CDK5RAP2 (NM_001011649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDK5RAP2 (NM_001011649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDK5RAP2
Synonyms:	C48; Cep215; MCPH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224233 representing NM_001011649 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGATGGACTTGGTGTGGAAAGAGGACGTACCGTCCCTGGGACGCTCAGCGGCTGCAGTGGCCTTGTTCCAGTGTACCAGATGACCTGGATGGCATCAACCCCAATGCTGGGTGGGAAATGGTCTGCTCCCAAATGTGTCAGAAGAAACAGTGTCTCCACCAGAGCACGGAACATGAAGGACTTTGAAAATCAAATCACTGAATTGAAGAAAGAAAACTTAACTAAAGCTCCGCATCTATTTCTTGAGGAAAGAATGCAACAGGAATTCATGGCCCCACTGAACATATCTACAAAATAACATTGAGCTCAAGGTGGAAGTAGAAAGCTGAAGCGGGAACCCAGGAGAGAGCAGCTGCTCATCAAAGCCTCCAAGCAGTTGAGAGCTTAGCTGAAGCAGGTGGCTCTGAAATCCAGCGGGTAAAAGAAGATGCTCGAAAAGAGGTGCAGCAGGTGGAAGATCTCCTAACTAAAAGAACTACTCCTTTGGAAAAGGATGTGACAGCCGCCAGGCAGAACTGGAAAAGGCCTTTGCAGGGACAGAGACGGAGAAGGCTCTTCGGTTGCGTTTGGAAAGCAAGCTTTCAGAGATGAAGAAGATGCACGAGGGGACTTGGCGATGGCTCTGGTCTGGATGAGAAAGACAGACTGATTGAGGAGTTGAAGCTGTCTTTGAAGAGCAAAGAAGCTTTAATTCAGTGCCTTAAAGAGGAGAAATCTCAGATGGCATGTCTGATGAGAATGTGTCTATCGAGAGCTCCGAGGACTTTGTGCTGCTCAAGGGAAGAAAAGGAGAGAGAAAAGTGAAGGCTGCACAAAATGGAGCATCAGAAGGAGAGAAACAGCTTTGAAGAGAGGATCCAGGCATTTGAAGAGGACCTGAGAGAGAAGGAAAAGAAAATTGCTACAGAGAAGAAAAATAGTCTAAAGAGGGATAAAGCCATTCAGGGTTAAACCATGGCATTAAAATCAAAGGAAAAAAGGTTGAAGAATTAACCTCTGAAAATTGAAAAGCTCAGTGTGCCTTTGTCTAAAGCCAGAGAGGCCCTACAGAAAGCACAGACCCAGGAATTTAGGGGTCTGAAGACTATGAGACTGCTCTATCAGGAAAGGAAGCCCTTTGCGCTGCGCTGCGCTCACAAAACCTACCAAGAGTACAGAGAACCACAGACTGCGTAGAAGCATTAAAGAAGATCACCCAGGAGCTGAGTGACTTGCAGCAGGAGAGGGAGAGACTGGAGAAGGACCTGGAGGAAGCCCATCGAGAGAAGAGCAAAGGAGACTGCACCATCCGTGATCTTAGAAATGAAGTTGAAAAATTACGCAATGAAGTGAATGAAAGAGAGAAAAGCAATGGAAAATCGTTACAAGAGTCTTCTGAGTGAAGCAATAAAAAATTGCACAATCAAGAGCAAGTATCAAAATCTAACAGAAAGTACCAATCAGAAGGAC



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GTGTTGCTTCAGAAATCAATGAAAAAGATTTGGAAGTAATACAGCAGAACTGCTATTTAATGGCTGCAG
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ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC224233 representing NM_001011649
 Red=Cloning site Green=Tags(s)

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 KLRQQLSQNDKLLQSLRVELKAYEKLDEEHRRLRDGKYPMESDNSFDLFDSSQAVTPKSVSETPPLSG
 NDTDSLSCDSGSSATSTPCVSRLVTGHHLWASKNGRHVGLIEDYEALLKQISQQRLLAEMDIQTQEAP
 SSTSQELGTGPHAPL SKFVSSVSTAKLLEEAYRRLKLLWRVSLPEDGQCPLHCEQIGEMKAEVTKLH
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8100_h11.zip

Restriction Sites:

Sgfl-Mlul

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_001011649.3](#)

RefSeq Size: 5993 bp

RefSeq ORF: 5445 bp

Locus ID: 55755

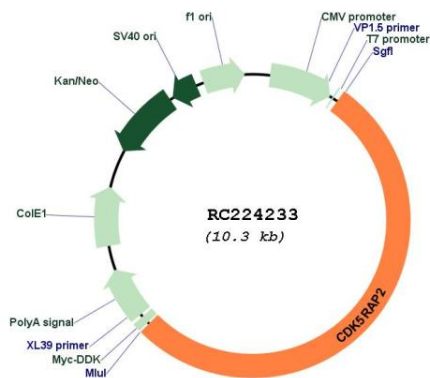
UniProt ID: [Q96SN8](#)

Cytogenetics: 9q33.2

MW: 206.3 kDa

Gene Summary: This gene encodes a regulator of CDK5 (cyclin-dependent kinase 5) activity. The protein encoded by this gene is localized to the centrosome and Golgi complex, interacts with CDK5R1 and pericentrin (PCNT), plays a role in centriole engagement and microtubule nucleation, and has been linked to primary microcephaly and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RC224233