

Product datasheet for **RR204390**

Cdk5rap1 (NM_145721) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk5rap1 (NM_145721) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk5rap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204390 representing NM_145721
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCCTTTACAGCGTGTCTCCGAGCACAGAGGCTATCAGCACCATTGACCTCCATGTGCTGGGTGT
 TGCTTAGGACCTTCAGGGCACATAACAGCACTTCTGTCTGATCCAGAGGGGAAGACTCAGAAGGAGT
 TCAAGAAGGATTTAGCTCCAGGCTAGCCACTGGACCGACTTTTTCAGCATTTTTAAGAAGTGCTTCAGTT
 CCTCAAGAGAAACCATCTTCTCCAGAAGTGAGGACCCACCTCCCTATCTCTCAGGGGATGAACCTCTAG
 GAAGGCAGAGAAAGGTCTACCTCGAGACCTATGGCTGTCAGATGAATGTGAATGACACAGAGATAGCCTG
 GTCCATTTTACAGAAGAGCGGCTACTTGCAGACCAACCTTCAAGAGGCCGATGTGATCCTTCTGTGTC
 ACGTGTCTATCAGGGAGAAGGCTGAGCAGACCATCTGGAACCGTTTACATCAGCTAAAAGTCTGAAGG
 CAAAGCGACCACGCTCCCGGTACCTCTGAGGATTGGGATTCTAGGCTGCATGGTGAGAGACTGAAGGG
 AGAGATCCTCAACAGGGAGAAAAATGGTAGATCTTTGGCTGGTCCAGATGCCTATCGAGACCTTCCCGG
 CTGCTGGCCGTTGTGGAGTCAGGTCAGCAAGCAGCAAATGTGCTTCTCTCTGGATGAGACCTACGCGG
 ATATCATGCCAGTCCAAACGAGCCCAAGTGCCTTCTGCTTCTGTCATCATGCGGGGCTGCGACAA
 TATGTGCAGTTACTGTATCGTTCCTTCTACTCGGGCAGGGAGAGGAGTCCGCCAGTTGCCTCCATTCTA
 GATGAAGTGAGGAAGCTCTCTGAGCAGGGGCTAAAAGAAGTGACACTTCTAGGTCAGAATGTTAATAGTT
 TTCGGGACAATTCAGAAGTCCAGTTCAGTAGTACAGGGTCTGCCAACCTCAGCCGTGGCTTACTACCAA
 CTATAAACCCAAACAAGGAGGGCTTCGTTTTCTCACCTTCTGGATCAGGTTTCAAGAATAGATCCTGAA
 ATGAGGATTCGTTTACCTCTCCTCACCCAAAGGATTTCCCGATGAGGTTCTACAGCTGATTCGTGAGA
 GACACAACATCTGTAAGCAGATCCACTGCCAGCCAGAGTGGGAGCAGCCGTGTACTGGAGGCCATCGG
 GAGAGGATATTCAAGAGAAGCATACGTGGCTTTGGTTCATCATATCAGGGAGGCTATCCAGGTGTGGGC
 CTCAGCAGCGACTTCATCACTGGCTTCTGTGGAGAGACAGAGGACGATCACCTGCAGACAGTGTCTTTAC
 TTCGAGAAGTTCAGTACAATACTGGTTTTCTTTGCATACAGCATGAGGCAAAAGACACAGCATATCA
 TAGGCTGAAGGATGACGTTCCAGAAGAAGTAAATTAAGGCGTTTGGAGGAACCTATTACTGTCTCCGA
 GAAGAAGCTTCAAAGTCAATGCGACCTCAGTGGGTTGTACCCAGCTGGTATTGGTTGAAGGTTTCAGCA
 AGCGTTTACCACAGACCTGTGTGGCCGAAATGATGCAAACCTTAAGGTGATTTCCCTGATGCCGAGGT
 GGAGGATATCACTGACCCTGGGCTCAAGGTCAGAGCTCAGCCTGGGGACTATGTGCTGGTGAAGATCATC
 TCTGCCAGTTCTCAAACCTCTCAAAGGACACATTCTCTGCAGGACCACTATGAAAGACTCATCAATGAATT
 GCTTGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204390 representing NM_145721
 Red=Cloning site Green=Tags(s)

MHPLQRFVRAQRLSAPLTSMCWVLLRFTFRAHNSTSCPDPPEGKSSSEGVQKDFSSRLATGPTFQHFLRSASV
 PQEKPSPEVEDPPPYLSGDELLGRQRKYYLETYGCQMNVDTEIAWSILQKSGYLRTSNLQEAADVILLV
 TCSIREKAEQTIWNRLHQLKVLKAKRPRSRVPLRIGILGCMERLKGELNREKMDVLLAGPDAYRDLPR
 LLAVVESGQQAANVLLSLDETYADIMPVQTSPTSATSAFVSIMRGCNDMCSYIVPFTRGRERSRPVASIL
 DEVRKLSAQGLKEVTLGQNVNSFRDNSEVQFSSTGSANLSRGFTTNYKPKQGGLRFSHLLDQVSRIDPE
 MRIRFTSPHPKDFPDEVLLQIRERHNICKQIHLPAQSGSSRVLEAMRRGYSREAYVALVHHIREAIPGVG
 LSSDFITGFCEDEDHLQTVSLLREVQYNTGFLFAYSMRQKTRAYHRLKDDVPEEVKLRLEELITVFR
 EEASKVNATSVGCTQLVLEGFSKRSTTDLGCRNDANLKVIFPDAEVEDIIDPGLKVRAQPGDYVLVKII
 SASSQTLKGHILCRTTMMKDSMNCLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_145721

ORF Size: 1758 bp

OTI Disclaimer: 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. [More info](#)
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:**
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_145721.2](#), [NP_663773.1](#)
RefSeq Size: 1975 bp

RefSeq ORF: 1761 bp

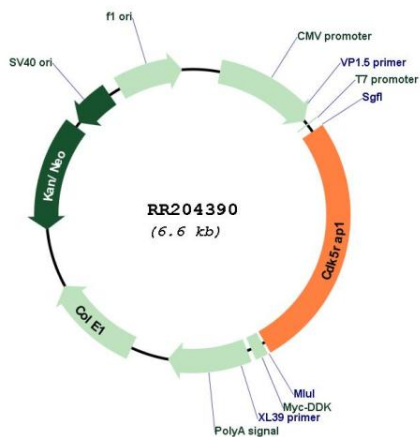
Locus ID: 252827

UniProt ID: [Q9JLH6](#)
Cytogenetics: 3q41

MW: 65.9 kDa

Gene Summary: binds neuronal Cdk5 activator; may modify Cdk5 kinase activity [RGD, Feb 2006]

Product images:



Circular map for RR204390