

Product datasheet for **RN204390**

Cdk5rap1 (NM_145721) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN204390 representing NM_145721
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATCCTTTACAGCGTGTCTCCGAGCACAGAGGCTATCAGCACCATTGACCTCCATGTGCTGGGTGT
 TGCTTAGGACCTTCAGGGCACATAACAGCACTTCTGTCTGATCCAGAGGGGAAGAGCTCAGAAGGAGT
 TCAGAAGGATTTAGCTCCAGGCTAGCCACTGGACCGACTTTTCAGCATTTTTAAGAAGTGCTTCAGTT
 CCTCAAGAGAAACCATCTTCTCCAGAAGTGAGGACCCACCTCCCTATCTCTCAGGGGATGAACTTCTAG
 GAAGGCAGAGAAAGGTCTACCTCGAGACCTATGGCTGTCAGATGAATGTGAATGACACAGAGATAGCCTG
 GTCCATTTTACAGAAGAGCGGCTACTTGCAGACCAACCTTCAAGAGGCCGATGTGATCCTTCTTGTC
 ACGTGTCTATCAGGGAGAAGGCTGAGCAGACCATCTGGAACCGTTTACATCAGCTAAAAGTCTGAAGG
 CAAAGCGACCACGCTCCCGGTACCTCTGAGGATTGGGATTCTAGGCTGCATGGTGAGAGACTGAAGGG
 AGAGATCCTCAACAGGGAGAAAATGGTAGATCTTTGGCTGGTCCAGATGCCTATCGAGACCTTCCCGG
 CTGCTGGCCGTTGTGGAGTCAGGTCAGCAAGCAGCAAATGTGCTTCTCTCTGGATGAGACCTACGCGG
 ATATCATGCCAGTCCAAACGAGCCCAAGTGCCTTCTGCTTCCGTGTCATCATGCGGGGCTGCGACAA
 TATGTGCACTTACTGTATCGTTCCTTCTACTCGGGCAGGGAGAGGAGTCCGGCAGTTGCCTCCATTCTA
 GATGAAGTGAGGAAGCTCTCTGAGCAGGGGCTAAAAGAAGTGACACTTCTAGGTCAGAATGTTAATAGTT
 TTCGGGACAATTCAGAAGTCCAGTTCAGTAGTACAGGGTCTGCCAACCTCAGCCGTGGCTTACTACCAA
 CTATAAACCCAAACAAGGAGGGCTTCGTTTTCTCACCTTCTGGATCAGGTTTCAAGAATAGATCCTGAA
 ATGAGGATTCGTTTACCTCTCCTCACCCCAAGGATTTCCCGATGAGGTTCTACAGCTGATTCGTGAGA
 GACACAACATCTGTAAGCAGATCCACTGCCAGCCAGAGTGGGAGCAGCCGTGTACTGGAGGCCATGCG
 GAGAGGATATTCAAGAGAAGCATACGTGGCTTTGGTTCATCATATCAGGGAGGCTATCCAGGTGTGGGC
 CTCAGCAGCGACTTCATCACTGGCTTCTGTGGAGAGACAGAGGACGATCACCTGCAGACAGTGTCTTTAC
 TTCGAGAAGTTCAGTACAATACTGGTTTTCTTTGCATACAGCATGAGGCAAAAGACACAGCATATCA
 TAGGCTGAAGGATGACGTTCCAGAAGAAGTAAAATTAAGGCGTTTGGAGGAACCTATTACTGTCTCCGA
 GAAGAAGCTTCAAAGTCAATGCGACCTCAGTGGGTTGTACCCAGCTGGTATTGGTTGAAGGTTTCAGCA
 AGCGTTTACCACAGACCTGTGTGGCCGAAATGATGCAAACCTTAAGGTGATTTCCCTGATGCCGAGGT
 GGAGGATATCACTGACCCTGGGCTCAAGGTCAGAGCTCAGCCTGGGGACTATGTGCTGGTGAAGATCATC
 TCTGCCAGTTCTCAAACCTCAAAGGACACATTCTCTGCAGGACCACTATGAAAGACTCATCAATGAATT
 GCTTGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_145721
- Insert Size:** 1761 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_145721.2](#), [NP_663773.1](#)

RefSeq Size: 1975 bp

RefSeq ORF: 1761 bp

Locus ID: 252827

UniProt ID: [Q9JLH6](#)

Cytogenetics: 3q41

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