

Product datasheet for **RN215295**

Cdk5r1 (NM_053891) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk5r1 (NM_053891) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdk5r1
Synonyms: Cdk5r; p35
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215295 representing NM_053891
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCACGGTGTCTCCCTGTCCCCAGCTATCGAAAGGCCACACTGTTTGAGGATGGCGCGGCCACCG
TGGGCCACTACACGGCCGTGCAGAACAGCAAGAACGCCAAGGACAAGAACCTGAAGCGGCACTCCATCAT
CTCGGTACTGCCTTGAAGAGGATCGTGGCGGTGTGAGGAAAGAAGAAGCTCAAGAAGCGCCAGCC
AACAGCAGCTACCAGAGCAACATCGCCACCTCAACAATGAGAACCTGAAGAAGTCGCTGTGCGTGCCA
ACCTGTCCACGTTCCGCCAGCCCCGCCGGCCAGCCGCCGCACCCCCAGCCAGCCAGCTTTCTGGCTC
CCAGACTGGGGTCTCCTCTTCTGTCAAGAAGGCCCCGCACCCTGCCATCACCTCCGCAGGAACACCCAAA
CGGGTCACTCGTCCAGGCGTCCACTAGTGAGCTGCTGCGCTGCCTGGGTGAGTTTCTGCGCCGGTGT
ACCGCTGAAGCACTTGTCCCAACGGACCCCGTGTCTGGTGCAGCGTGGACCGCTCCCTGCTTCT
GCAGGGATGGCAGGACCAGGGTTTCATCACACCGGCCAATGTGGTCTTCTCTACATGCTCTGCAGGGAT
GTTATCTCCTCTGAGGTGGCTCGGACCAGAGCTCCAGGTGCTCCTGCTGACCTGTCTGTACCTCTCT
ATTCTACATGGCAATGAAATCTCTACCCGCTCAAGCCCTTCTGGTGGAGAGCTGCAAGGAAGCCTT
TTGGGACCGTTGCCTCTCAGTTATCAACCTCATGAGCTCCAAGATGCTGCAGATCAATGCTGACCCACAC
TATTTACACAAGTGTCTCTGACTTGAAGAATGAGAGTGGTCAGGAGGACAAGAAGCGACTCCTCTGG
GGCTCGATCGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053891
Insert Size: 924 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_053891.1](#), [NP_446343.1](#)

RefSeq Size: 1208 bp

RefSeq ORF: 924 bp

Locus ID: 116671

UniProt ID: [P61810](#)

Cytogenetics: 10q26

Gene Summary: kinase that phosphorylates neurofilament protein (NF-H) and intermediate filament protein nestin [RGD, Feb 2006]