

Product datasheet for **RN207727**

Cdk5 (NM_080885) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk5 (NM_080885) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdk5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207727 representing NM_080885
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCAGAATACGAGAACTGGAGAAGATTGGGAAGGCACCTACGGAACGTGTTC AAGGCCAAAAACC
GGGAACCCATGAGATTGTGGCTCTGAAGCGAGTCAGGCTGGACGATGACGATGAGGGTGTGCCAAGTTC
AGCCCTCCGGGAGATCTGTCTACTCAAAGAAGCTGAAGCACAAAAACATTGTCAGGCTTCATGATGTCCTG
CATAGTGACAAGAAGCTCACATTGGTGTGGAGTTCTGTGATCAGGACCTGAAGAAATATTTTGACAGCT
GCAATGGTGACCTGGACCTGAGATTGTGAAGTCACTCCTCTCCAGCTGCTGAAAGGCCTGGGATTCTG
TCACAGCCGTAACGTGCTGCACAGGGACCTGAAGCCCCAGAATCTGCTCATTAAACAGGAATGGGAACTG
AAATTGGCTGATTTTGGCCTGGCCCGAGCCTTTGGTATCCAGTCCGCTGCTACTCTGCTGAGGTGGTCA
CGCTGTGGTACCGCCACCGGATGTCCTCTTTGGGGCCAAGCTGTACTCCACGTCCATCGACATGTGGTC
AGCCGGCTGCATCTTTGACAGAGCTGGCCAATGCAGGGCGACCTCTCTCCCGGCAATGATGTGGATGAC
CAGCTGAAGAGGATCTTTGACTGCTAGGGACACCGACTGAGGAACAGTGGCCTGCCATGACCAAACCTGC
CAGACTATAAGCCCTACCAATGTACCCAGCTACAACATCCTTGGTGAATGTCGTGCCAAACTCAATGC
CACGGGGAGAGACCTGTTGCAGAACCTGTTGAAGTGAACCCAGTGCAGGCATCTCGGCAGAGGAGGCC
TTGCAGACCCCTATTTCTGACTTCTGTCCCCCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080885
Insert Size: 879 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_080885.1</u> , <u>NP_543161.1</u>
RefSeq Size:	1178 bp
RefSeq ORF:	879 bp
Locus ID:	140908
UniProt ID:	<u>Q03114</u>
Cytogenetics:	4q11
Gene Summary:	serine/threonine kinase involved in synaptic regulation and neuronal development; phosphorylates synaptic protein Pctaire1; regulates acetylcholine receptor expression [RGD, Feb 2006]