

Product datasheet for **RR209329**

Cdk5r2 (NM_001109309) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk5r2 (NM_001109309) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdk5r2
Synonyms: RGD1562530
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR209329 representing NM_001109309
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACGGTGTGCTGCTTTCCCTGCTTCTCGGCCAAGGGCCGGAGGCCGGGAGGGCTGCCGGAGG
 AGAAAAAGAAAGGCGCCGCCCGGGGGACGAGGCGCTGGGGGGCTACGGCGCGCCCGCGCCGCAAGGG
 CGGCAAAGGCGAGAGCCGGCTCAAACGGCCGTCCGTACTCATCTCGGCGCTCACCTGGAAGCGCCTAGTG
 GCAGCCTCGGCCAAGAAGAAGAAAGGCAGCAAAAAGGTGACGCCCAAGCCAGCGTCCACCGGTCCCAGCC
 CTTTGGTCCAGCAACGCAACCGGGAGAACCTTCTCCGCAAGGGTCCGACGCCCCGACGGCGGGGAGC
 AGCCAAGCCCCTGGCCGTGCCCGGTGCCACGGTCCCGCTCCGCTGCCACCTGCCAGCCCCCGTCCGGGG
 GGCAGCGCGGCCGCCGCCACCAAGGCTCAGGCGGGGAAAGCCACCTCCGCCGCCACCTCCAGCCCCGC
 AGGCGGCACCGCCAGCGCCCGGAGGCTCGCCGCGACGGGTTCATCGTGCAGGCGTCCACCGGCGAGTGT
 CCGCTGCCTCGGCGACTTCGTGTGCCGACGCTGTACCGCCTCAAGGAGCTGAGTCCCAGGCGAGTGGTG
 GGCTGGTCCGCGGCGTGGACCGCTCGCTGTGCTGCTGCAGGGTGGCAAGACCAGGCCTTCAATACCCCG
 CCAACCTGGTGTTCGTGTACCTGCTGTGCCGAGTTCGCTGCGCGGGGACGAGTGGCGTCCGCCGCCGA
 ACTGCAGGCCGCTTCTCACCTGCCTTACCTCGCCTACTCCTACATGGGAACGAGATCTCCTACCCA
 CTCAGCCCTTCTCGTGGAGCCGACAAGGAGCGCTTCTGGCAGCGCTGCCTCGCCTCATCCAGCGGC
 TCAGCCCGCAGATGCTGCGGCTCAACGCCGACCCCACTTCTTACGCAAGTCTTTCAAGACCTCAAGAA
 CGAGGGCGAGGCCGCGGCGAGCACCGGGGTCCACCGAGCGGAAGCGCGTCCACCACCTCCTCGTCGACC
 GCCAGGGACAGCTGCGCGGCCGAGCCAAGCATTGGACTATGAATTGGACCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR209329 representing NM_001109309
 Red=Cloning site Green=Tags(s)

MGTVLSLSPASSAKGRRPGGLPEEKKKAPPAGDEALGGYGAPPAGKGGKGESRLKRPSVLISALTWKRLV
 AASAKKKKGSKKVTPKPASTGPDPLVQQRNRENLLRKGRDAPDGGGAAKPLAVPVPTVPASAATCEPPSG
 GSAAAPPPGSGGGKPPPPPPAPQAAPPAGGSPRRVIVQASTGELLRCLGDFVCRRCYRLKELSPGELV
 GWFRGVDRSLLLQGWQDQAFITPANLVFVYLLCRESLRGDELASAAELQAAFLTCLYLAYSIMGNEISYP
 LKPFLLVEPDKERFWQRCLRLIQRLSPQMLRLNADPHFFTQVFQDLKNEGEAAASTGGPPSGSASTTSST
 ARDSCAAGAKHWTMNLDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001109309

ORF Size: 1104 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_001109309.1, NP_001102779.1

RefSeq Size: 1469 bp

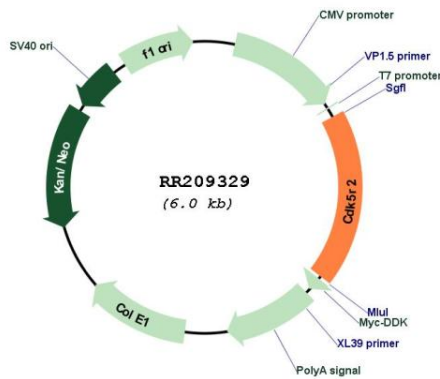
RefSeq ORF: 1107 bp

Locus ID: 501164

Cytogenetics: 9q33

MW: 38.8 kDa

Product images:



Circular map for RR209329