

Product datasheet for **RR215600**

Cdk8 (NM_001109061) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk8 (NM_001109061) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk8
Synonyms:	RGD1560888
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR215600 representing NM_001109061
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTATGACTTTAAAGTGAAGCTGAGCAGCGAGCGGGAGCGGGTTCGAGGACCTGTTGAATACGAGG
 GCTGCAAAGTTGGTCGAGGCACCTTACGGGCATGTCTACAAGCGAAGAGGAAAGATGGGAAGGACGATAA
 AGACTACGCTTTAAAAACAAATAGAAGGAACTGGAATTTCTATGTCGCGCATGCAGAGAGATAGCATTACTT
 CGAGAGCTTAAGCACCCAAACGTCATCTCTTTCAGAAGGTGTTTCTGTCTCATGCTGATCGAAAGTAT
 GGCTTCTCTTTGACTATGCTGAACATGACCTCTGGCATAAATTAAGTTTCACAGAGCTTCGAAAGCCAA
 CAAGAAGCCCGTTACGTTACCTCGGGGAATGGTGAAGTCACTGTTGTACCAGATCCTAGATGGGATTCAC
 TATCTTCATGCCAACTGGGTGTTGCACAGGGATTTGAAACCTGCTAATATTTTAGTTATGGGTGAAGGTC
 CTGAGCGAGGAAGAGTAAAAATTGCTGACATGGGCTTTGCCGATTATTTAATTCACCTTTGAAGCCTTT
 AGCAGATTTGGATCCAGTGGTTGAACATTCTGGTACCGAGCTCCAGAATTACTCCTCGGAGCCAGACAC
 TATACCAAAGCAATTGATATTTGGGCTATAGGGGTATATTTGCAGAACTACTAACGTCAGAGCCAATAT
 TCACTGTGACAAGAGGACATCAAACTAGTAATCCTTATCACCATGACCAGCTGGACAGAATATTCAA
 TGTAATGGGATCCCTGCAGATAAAGATTGGGAAGATATAAAAAAGATGCCCGAACATTCACATTAATG
 AAAGATTTCAGAAGAAATACGTACACCAATTGCAGCCTTATCAAGTACATGGAAAAGCATAAAGTTAAAC
 CTGACAGTAAAGCATTCCACTTGCTTCAGAAGTTGCTCACTATGGACCAATAAAGCGAATTACCTCAGA
 GCAGGCCATGCAGGATCCCTACTTCTAGAAGACCCACTCCCCACGTGAGATGTTTTCGCCGGTTGTCAG
 ATCCCTTATCCCAAACGAGAGTTTTTGCAGAAGAAGAGCCTGATGAGAAAAGGAGACAAAAAGAACCAGC
 AGCAGCAGCAGGGCAATAACACACTAATGGAACCGGCCATCCCGGAACCAGGACAGCGGCCACGCACA
 GGGGCCCCCTTGAAAAAAGTGAGAGTTGTCCTCCTACCCTACTCAGGTGGGCTCATCATGACCTCC
 GACTATCAGCGTTCCAATCCACATGCTGCTTATCCCAACCCTGGACCAAGCACATCACAGCCCCAGAGCA
 GCATGGGATACTCAGCTACCTCCAGCAGCCTCCACAGTACTCACATCAGACACATCGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215600 representing NM_001109061
 Red=Cloning site Green=Tags(s)

MDYDFKVKLSSSERERVELDFEYEGCKVGRGTYGHVYKAKRKDGKDDKDYALKQIEGTGISMSACREIAL
 RELKHPNVISLQKVFLSHADRVWLLFDYAEHDLWHIIKFRASKANKKPVQLPRGMVKSLLYQILDGIIH
 YLHANWVLRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLLGARH
 YTKAIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPYHHDQLDRIFNVMGFADKDWEDIKKMPHSTLM
 KDFRRNTYTNCSLIKYMEKHVKPDSKAFHLLQKLLTMDPIKRITSEQAMQDPYFLEDPLPTSDVFAGCQ
 IPYPKREFL TEEEPDEKGDKNQQQQGNHNTNGTGHPGNQDSGHAQGPPLKVRVVPPTTSSGGLIMTS
 DYQRSNPHAAYPNPGPSTSQPQSSMGYSATSQQPPQYSHQTHRY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

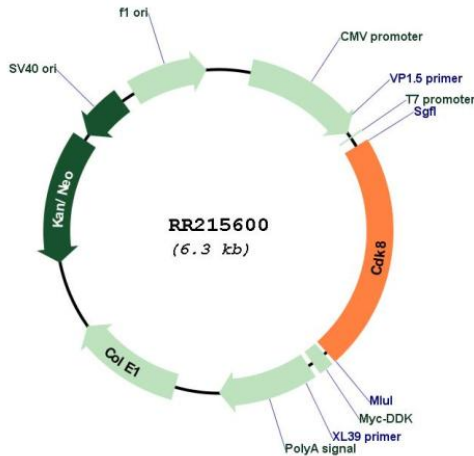
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109061

ORF Size: 1392 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_001109061.1](#), [NP_001102531.1](#)

RefSeq Size: 2467 bp

RefSeq ORF: 1395 bp

Locus ID: 498140

Cytogenetics: 12p11

MW: 53.2 kDa