

Product datasheet for **RN200174**

Cdk12 (NM_001033867) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cdk12 (NM_001033867) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cdk12 |
| Synonyms: | Crk7; Crkrs; Pksc |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >RN200174 representing NM_001033867 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAATTCAGAGAGACATGGGGCAAGAAGGACGGGAGTGGAGGAGCTTCTGGAACCTCGCAGCCGT
CATCGGGAGCGGCAGCTCCAACAGCAGGGAGCGTCACCGCTTGGTGTGCAAGCACAAGCGGCATAAGTC
CAAGCACTCCAAAGACATGGGGTTGGTAACCCCGAAGCGGCATCTTTGGGTACAATAATCAAACATTG
GTGGAGTATGATGACATCAGCTCTGATTAGACACCTTCTCAGATGACATGGCCTTCAAATCAGACAGGA
GGGAGAACGATGAACGTCGTGGAACGGATCGGAGTGACCGCTGCACAGACATCGTCACCACCAGACCCG
GCGGTCCCAGACTTGTAAAACTAAACAGACCGAAAAGGAAAAAACAGGAAGTCTCCAAATCTGGA
TCGATGAAGGACCGGTTATCAGGTAGTTCGAAACGTTCACTGGAGGGGAACGATGATTATGGGAAGGCAC
AATTATCCAAAAGCAGCAGCAAGGAATCCAGGTCGTCCAAATGCACAAAGAGAAGACCCGAAAGAACG
AGAGTTAAAGTCTGGACACAAGGACCGTAGTAAAAGTCATCGGAAAAGGGAAACCCAAAAGTTACAAA
ACGGTGGATAGCCCCAACGGAGATCTAGGAGTCCCATAGGAAATGGTCTGACAGTTCGAAGCAAGATG
ACAGCCCTCTGGAGCTTCTTATGGCCAAGATTACGATCTTAGCCCCCAAGGTCATACCTTCTAGCAA
TTATGACTCCTACAAGAAGAGTCCGGGAAGTACCTCAAGAAGGCAGTCAATCAGCCACCTTATAAAGAG
CCTTCTGCTTACCAGTCCAGCACTCGGTACCCAGTCCCTACAGCCGACGACAGAGGTGAGTGGCCCT
ATAGCCGGAGACGGTCATCCAGCTATGAAAGGAGCGGTTCTTACAGCGGGAGATCACCCAGCCCCTATGG
CCGAAGGCGATCTAGCAGCCCTTCTTGGCAAGAGGTCTCTGAGTGGAGTCCAATCTCCAGTAGGAAA
TCCATGAAGTCCAGAAGTAGAAGTCTGCATATCAAGACACTCATCTTACATAGTAAAAAGAAGCGAT
CCGGGTACGAAGTCGTATTCCAGCATCTCACCTGTGAGGCTTCCATTGAATCCAGCCTGGGAGCTGA
ACTCAGTAGAAAAAGAAGGAAAGAGCAGCTGCTGCAGCAGCAGCAAAATGGATGGAAAAGAAATCTAAG
GGTTCACCTATAATTTTGCCTAAAAAGAGAAATTTGAGGTGAAGGAGTCAAGGTTAGAGTCAAAAAGT
TACCCAGAGGTATAAAGTCAGAAAAATCTACCCAGATACTGAACTGGTAAATGTAGCACATTCAAACAC
AGAGGTAAAAAATGTTTAGATACAGGGAAAGTAAAGTTGGATGAGAAGTTCAGAAAGCATCCTGTTAAG
GATTTGAAAGCACAGGGAACAAAGGACACCAAACTGTAGCACTGAAGGAGGTGATTGTTACTTCAAAGG



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AGACAGAGACATCAGAAAAGGAGGCCCTTCCACCTCTCCCCACAATAACTTCTCCACCCCTTTACCATC
TACTACTCCTCCACCTCAGACACCCCTTTGCCACCTTTGCCTCCACTACCAGCTGTTCCACTGCAGCCA
CCTTTGCCTCCTCCCAACCACCATTTAGTCAAGTTCTGTGTTCAAATACTTCAACTTTACCCTCTTCTC
CTCACCAAGGACATCTACTTTATCCTCTCAGACAAATTTCTCAGCCCCTGTACAGGTTTCTATGAAGAC
TCAATTATCTGTAAACAGCTGCTATTCCACACCTGAAAACCTCAACATTGCCTCCTCTGCCCTCCCTCCC
AAGAGCAGAGGACTCGCCACTTACTCACAGACTGCCTTCTCCTGAGCTACCAGGTGGAGATCCATC
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TGTTGTCCACGTTATGGAGAAAAGACAAACAGAAAAGTATTGGGGGAAGCGCTGCGTGGACAAGTTTG
ACATTATTGGGATTATTGGAGAAGGAACCTATGGCCAAGTATATAAAGCCAAGGACAAAGACACAGGAGA
ACTTGTAGCTCTGAAGAAGGTTGCGCTAGACAATGAGAAAAGGGCTTCCAATCACAGCCATCCGGGAG
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GGGACTGCTAGAATCAGGTTTGGTGCATTTTCTGAGGACCATATCAAGTCATTCATGAAACAGCTAATG
GAAGGACTGGATTACTGTCAAAAAGAATTTCTCCATCGGGATATTAATGTTCTAACATTTTGTGTA
ATAACAGTGGGCAAACTAACTGGCAGATTTTGGCCTTGCTCGGCTCTATAACTGGAAGAGAGTCGCC
TTACACAAAACAAAGTCATTACTCTGTGGTATCGACCTCCAGAGCTGCTTCTTGGAGAGGAAAGATACACA
CCAGCCATTGATGTTTGGAGCTGTGGGTGCATCCTTGGGGAAGTGTTCACAAAAGAAACCTATTTTCAAG
CCAATTTGGAAGTGGCTCAGCTAGAAGTATGATCAGTCGTCTGTGGTAGTCTTGTCCAGCAGTGTGGCC
TGATGTTATCAAGCTGCCTACTTCAACACCATGAAACCGAAAAAGCAATACAGGAGACGCCTAAGAGAA
GAATTCCTTTTCACTTCTCAGCGGCACCTGATCTGTTGGACCACATGCTGACACTGGATCCTAGCAAGC
GCTGCACAGCGGAACAAACCTACAGAGTACTTTCTTAAAGATGTGGAAGTGCAGCAAAATGGCAGCTCC
AGACTACTCTGAGGAGGATGCCATGAATTTGGAGTAAGAAACGTCGACGGCAACGACAAAAGTGGT
ATTGTGATAGAAGAGCAACCTCCATCCAAAGCTTCTCGAAAAGAACTACCTCAGGGACAGCAGCTGAGC
CTGTGAAGAACAGTAGCCAGCACCCACCTCAACCTGCTCCTGTCAAGGCAGAGCCTGGTCCAGGGATGC
AGTAGGGCTTGGTACATCACACAGCAGTTGAATCAAAGTGAATGGCAGTGTATTAAACCTGCTTCAG
AGCCAACTGACCTGAGCATCCCTCAGATGGCACAATTGCTTAACATCCACTCCAATCCAGAGATGCAAC
AGCAGCTTGAAGCCCTGAATCAGTCTATTAGTGCAGTACTGAAGCCAGTCCCAGCAGCAAGACTCAGA
ATCCATAGCCCCAGAGGAATCATTGAAGGAGGTACCTTCTGTATCTGTGGTCTGCTCCTGCTGAACAG
ACAACCTCTGAAGCTTCAAACACACCAGCTGACATGCAGAATATGTTGGCAGTCTCTTGTAGTCACTGA
TGAAAACCAAGAGCCAGCAGGTAACTGGAGGAAAACACCAGTACAAGAATAGTGGGCCACAGGGGCC
CCGAAGAACCCTACAATGCCACAGGAGGAGGCAGCAGCATGTCTCCTCACATTCTCCACCAGAGAAG
AGGCCCTTGAACCCCTGGACCTCCACCGCCGACCTCCACCCCTCTGGTTGAAGGCGATCTTTCCA
GCGCCCCCAGGAGTTGAATCCCGCCGTGACAGCCGCTTGTGCAACTTTATCCAGCCTGAAGCAGA
GCCTCCTGGCCACCTGCCACATGAGCACCAGGCCTTGAGACCAATGGAGTACTCCACTCGATCCCATCCA
AACAGGACTTACGAAATACTGATGGCCCTGAAACAGGGTTTCACTGACACTGATGAACGCAAGT
CTGGTCCAGCCTTGACAGAATCTTTGGTTCAGACCCTGGTGAAGAACAGGACCTTCTCAGGCTCTGTGAG
CCACCTTGGGGAGTCCAACAGTTACCAGGGCACAGGGTCACTGCAAGTCCCAGGGGACCAGGACCTCCGT
TTACTAGGGTCCCTTAGCATTACACTCAGTGGTTGGGCAACCATTCCTGAAGTCTGAGGGAAAATAGCA
ACTCTGTGGTACATGCAGAGACCAAATGCAAACTATGGGGAGCTGGGACCAGGAACACTGGGGCCAA
CAGCTCAGGAACAACCTTCAAGTGGGGGGCCAGCTCAGTCTTTTGGAAAACCTACCGAGGGGCTGCA
AGAGTCCCACCACGAGGGGAAGAGGGAGGGGTTCTTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001033867
Insert Size: 4455 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_001033867.1</u> , <u>NP_001029039.1</u> |
| RefSeq Size: | 5502 bp |
| RefSeq ORF: | 4455 bp |
| Locus ID: | 192350 |
| UniProt ID: | <u>Q3MIK5</u> |
| Cytogenetics: | 10q31 |
| Gene Summary: | human homolog may play a role in regulation of transcription and splicing [RGD, Feb 2006] |