

Product datasheet for **SC204448**

CDK4 (NM_000075) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CDK4 (NM_000075) Human 3' UTR Clone
Symbol:	CDK4
Synonyms:	CMM3; PSK-J3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000075
Insert Size:	828 bp
Insert Sequence:	>SC204448 3'UTR clone of NM_000075 The sequence shown below is from the reference sequence of NM_000075. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CTACATAAGGATGAAGGTAATCCGGAGTGAATGCAATGGAGTGGCTGCCATGGAAGGAAGAAAAGCTGCCA
TTTCCCTTCTGGACTGAGAGGGCAATCTTTGCCTTTATCTCTGAGGCTATGGAGGGTCTCCTCCAT
CTTTCTACAGAGATTACTTTGCTGCCTTAATGACATTCCCCTCCACCTCTCCTTTTGAGGCTTCTCCT
TCTCCTTCCCATTCTCTACACTAAGGGGTATGTTCCCTCTGTCCCTTCCCTACCTTTATATTTGGG
GTCCTTTTTTATACAGGAAAAACAAAACAAAGAAATAATGGTCTTTTTTTTTTTTTAATGTTTCTTCC
TCTGTTTGGCTTTGCCATTGTGCGATTTGGAAAAACCACTTGGAAGAAGGGACTTTCCTGCAAAAACCTT
AAAGACTGGTTAAATTACAGGGCTAGGAAGTCAGTGGAGCCCCTTGACTGACAAAGCTTAGAAAGGAA
CTGAAATTGCTTCTTTGAATATGGATTTTAGGCGGGCGTGGTGGCTCACGCCTATAATCCCAGCACGT
TGGGAGGCCAACGCGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGACTAACATGGTGAAC
CCTGTCTACTAAAAATACAAAATTAGTCAGGCGTGGTGGTGCACACCTGTAATCCCAGCTACTTGGG
AGACTGAGGCAGGAGGATCGCTTGAACCCGGGAGGCAGAGGTTGCGGTGAGCCGAGATCATGCCATTGC
ACTCCAGCCTGGGCAACAGAGCAAGACTCTGTGTCAAAAAAAAAAAAAAGAATATAGATTTTTAAATGGC
ACGCGTAAAGCGCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000075.4</u>
Summary:	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of <i>S. cerevisiae</i> cdc28 and <i>S. pombe</i> cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported. [provided by RefSeq, Jul 2008]
Locus ID:	1019
MW:	31.6