

Product datasheet for **SC310548**

CDK3 (NM_001258) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDK3 (NM_001258) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310548 representing NM_001258. Blue=Insert sequence Red=Cloning site Green=Tag(s)

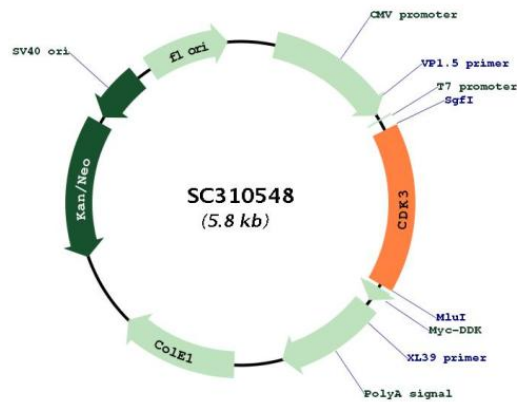
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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AGGGAGACAGGGCAGCTGGTGGCCCTGAAGAAGATCAGACTGGATTTGGAGATGGAGGGGTCCCAAGC
ACTGCCATCAGGGAGATCTCGTGTCTCAAGGAAGTGAAGCACCCCAACATCGTCCGACTGCTGGACGTG
GTGCACAACGAGAGGAAGCTCTATCTGGTGTGGAGTTCTCAGCCAGGACCTGAAGAAGTACATGGAC
TCCACCCAGGCTCAGAGCTCCCCCTGCACCTCATCAAGAGCTACCTCTCCAGCTGCTGCAGGGGGTG
AGTTTCTGCCACTCACATCGGGTCATCCACCGAGACCTGAAGCCCCAGAACCTGCTCATCAATGAGTTG
GGTGCCATCAAGCTGGCTGACTTCGGCCCTGGCTCGCGCCTTCGGGGTGCCCTGCGCACCTACACCCAT
GAGGTGGTGACACTGTGGTATCGCGCCCCGAGATTCTCTGGGAGCAAGTTCTATACCACAGCTGTG
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GAGATTGACCAGCTCTTTCGTATCTTTCGTATGCTGGGGACCCAGCGAAGACACATGGCCCGGGTC
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AATCTGGAGCCAGAGGGCAGGGACCTGCTCATGCAACTCTGCAGTATGACCCAGCCAGCGGATCACA
GCCAAGACTGCCCTGGCCACCCGTAATCTCATCCCCGAGCCCTCCAGCTGCCCGCCAGTATGTG
CTGCAGCGATTCCGCCATTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001258

Insert Size: 918 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001258.2](#)

RefSeq Size: 1584 bp

RefSeq ORF:	918 bp
Locus ID:	1018
UniProt ID:	<u>Q00526</u>
Cytogenetics:	17q25.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	35 kDa
Gene Summary:	This gene encodes a member of the cyclin-dependent protein kinase family. The protein promotes entry into S phase, in part by activating members of the E2F family of transcription factors. The protein also associates with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. [provided by RefSeq, Jul 2008]