

Datasheet for ABIN4931620

## Human CDK3 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	CDK3
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human CDK3 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	918 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGATATGT TCCAGAAGGT AGAGAAGATC GGAGAGGGCA CCTATGGGGT GGTGTACAAG GCCAAGAACA GGGAGACAGG GCAGCTGGTG GCCCTGAAGA AGATCAGACT GGATTTGGAG ATGGAGGGGG TCCCAAGCAC TGCCATCAGG GAGATCTCGC TGCTCAAGGA ACTGAAGCAC CCCAACATCG TCCGACTGCT GGACGTGGTG CACAACGAGA GGAAGCTCTA TCTGGTGTTT GAGTTCTCTCA GCCAGGACCT GAAGAAGTAC ATGGACTCCA CCCAGGCTC AGAGCTCCCC

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## Product Details

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CTGCACCTCA TCAAGAGCTA CCTCTTCCAG CTGCTGCAGG GGGTGAGTTT CTGCCACTCA  
CATCGGGTCA TCCACCGAGA CCTGAAGCCC CAGAACCTGC TCATCAATGA GTTGGGTGCC  
ATCAAGCTGG CTGACTTCGG CCTGGCTCGC GCCTTCGGGG TGCCCCTGCG CACCTACACC  
CATGAGGTGG TGACACTGTG GTATCGCGCC CCCGAGATTC TCTTGGGCAG CAAGTTCTAT  
ACCACAGCTG TGGATATCTG GAGCATTGGT TGCATCTTTG CAGAGATGGT GACTCGAAAA  
GCCCTGTTTC CTGGTGACTC TGAGATTGAC CAGCTCTTTC GTATCTTTTC TATGCTGGGG  
ACACCCAGCG AAGACACATG GCCCGGGGTC ACCCAGCTGC CTGACTATAA GGGCAGCTTC  
CCTAAGTGGA CCAGGAAGGG ACTGGAAGAG ATTGTGCCCA ATCTGGAGCC AGAGGGCAGG  
GACCTGCTCA TGCAACTCCT GCAGTATGAC CCCAGCCAGC GGATCACAGC CAAGACTGCC  
CTGGCCCACC CGTACTTCTC ATCCCCTGAG CCCTCCCCAG CTGCCCGCCA GTATGTGCTG  
CAGCGATTCC GCCATTGA

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Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	<ul style="list-style-type: none"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

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## Target Details

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Gene:	CDK3
Alternative Name:	CDK3 ( <a href="#">CDK3 Products</a> )
Background:	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].
Gene ID:	1018
NCBI Accession:	<a href="#">NM_001258</a>

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)