

Product datasheet for **SC324761**

CDKN3 (NM_001130851) Human Untagged Clone

Product data:

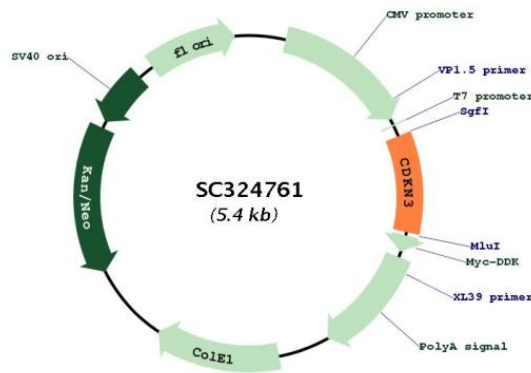
Product Type:	Expression Plasmids
Product Name:	CDKN3 (NM_001130851) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKN3
Synonyms:	CDI1; CIP2; KAP; KAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324761 representing NM_001130851. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCCGCCAGTTCAATACAAACAAGTTGTAATTTAAAGATGTTAGAAGAAATGTCCAAAAGAT
ACAGAAGAATAAGAGCTGTGGTATACAAGACATATTTGTTTTCTGCACCAGAGGGAACTGTCAAAA
TATAGAGTCCCAAACCTTCTGGATCTCTACCAGCAATGTGGAATTATCACCCATCATCATCCAATCGCA
GATGGAGGGACTCCTGACATAGCCAGCTGCTGTGAAATAATGGAAGAGCTTACAACCTGCCTTAAAAAT
TACCGAAAACCTTAATACTACTGCTATGGAGGACTTGGGAGATCTTGCTTGTAGCTGCTGTCTCCTA
CTATACCTGTCTGACACAATATCACCAGAGCAAGCCATAGACAGCCTGCGAGACCTAAGAGGATCCGGG
GCAATACAGACCATCAAGCAATACAATTATCTTCATGAGTTTCGGGACAAATTAGCTGCACATCTATCA
TCAAGAGATTCACAATCAAGATCTGTATCAAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN:	NM_001130851
Insert Size:	519 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_001130851.1](#)

RefSeq Size: 786 bp

RefSeq ORF: 519 bp

Locus ID: 1033

UniProt ID: [Q16667](#)

Cytogenetics: 14q22.2

Protein Families: Druggable Genome, Phosphatase

MW: 19.4 kDa

Gene Summary: The protein encoded by this gene belongs to the dual specificity protein phosphatase family. It was identified as a cyclin-dependent kinase inhibitor, and has been shown to interact with, and dephosphorylate CDK2 kinase, thus prevent the activation of CDK2 kinase. This gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Aug 2008]

Transcript Variant: This variant (2) lacks an in-frame segment in the CDS, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1.