

Product datasheet for **SC127857**

CDKN3 (NM_005192) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKN3 (NM_005192) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKN3
Synonyms:	CDI1; CIP2; KAP; KAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005192, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCCGCCAGTTCAATACAAACAAGTGAGTTTGACTCATCAGATGAAGAGCCTATTGAAGATGAAC
AGACTCCAATTCATATATCATGGCTATCTTTGTCACGAGTGAATTGTTCTCAGTTTCTCGGTTTATGTGC
TCTTCCAGGTTGTAATTTAAAGATGTTAGAAGAAATGTCCAAAAGATACAGAAGAAGCTAAAGAGCTGT
GGTATACAAGACATATTTGTTTTCTGCACCAGAGGGGAAGTGTCAAATATAGAGTCCCAAACCTTCTGG
ATCTCTACCAGCAATGTGGAATTATCACCCATCATCATCAATCGCAGATGGAGGGACTCCTGACATAGC
CAGCTGCTGTGAAATAATGGAAGAGCTTACAACCTGCCTTAAAAATTACCGAAAAACCTTAATACACTGC
TATGGAGGACTTGGGAGATCTTGTCTTGTAGCTGCTTGTCTCCTACTATACCTGTCTGACACAATATCAC
CAGAGCAAGCCATAGACAGCCTGCGAGACCTAAGAGGATCCGGGGCAATACAGACCATCAAGCAATACAA
TTATCTTCATGAGTTTCCGGACAAATTAGCTGCACATCTATCATCAAGAGATTACAATCAAGATCTGTA
TCAAGATAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005192 unedited ACGACTCTATAGGGCGGCCGGAATTCGGCACCAGGGGGCGGGCTCGGCCGGGGCAC CGGTGAGTCGCCGGCGCTGCAGAGGGAGGCGGCACTGGTCTCGACGTGGGGCGGCCAGCG ATGAAGCCGCCAGTTCAATACAAACAAGTGAGTTGACTCATCAGATGAAGAGCCTATT GAAGATGAACAGACTCCAATTCATATATCATGGCTATCTTTGTCACGAGTGAATTGTTCT CAGTTTCTCGGTTTATGTGCTCTCCAGTTGTAATTTAAAGATGTTAGAAGAAATGTC CAAAAAGATACAGAAGAACTAAAGAGCTGGTATACAAGACATATTTGTTTTCTGCACC AGAGGGAACTGTCAAAATATAGAGTCCCAAACCTTCTGGATCTCTACCAGCAATGTGA ATTATACCCATCATCATCCAATCGCAGATGGAGGGACTCCTGACATAGCCAGCTGCTGT GAAATAATGGAAGAGCTTACAACCTGCCTTAAAAATNTACCGAAAACCTTAATACACTGC TATGGAGGACTTGGGAGATCTTGTCTTGTAGCTGCTTGTCTCCTACTATACCTGTCTGAC ACAATATCACCAGAGCAAGCCATAGACAGCCTGCGAGACCTAAGAGGATCCGGGGCAATA CAGACCATCAAGCAATACAATTATCTTCATGAGTTTCGGGACAAATAGCTGCCATCTATC ATCAAGAGATCACATTCAATCTGTTCCAGGATAAGGATTCATGCATATNTTGACCGGTC GGAATGCATTCTTACAAATGGTTGAAGGACACATGTATAACG
3' Read Nucleotide Sequence:	>Forward primer walk for NM_005192 unedited CGATGAAGCCGCCAGTTCAATACAAACAAGTGAGTTGACTCATCAGATGAAGAGCCTA TTGAAGATGAACAGACTCCAATTCATATATCATGGCTATCTTTGTCACGAGTGAATTGTT CTCAGTTTCTCGGTTTATGTGCTCTCCAGTTGTAATTTAAAGATGTTAGAAGAAATG TCCAAAAAGATACAGAAGAACTAAAGAGCTGGTATACAAGACATATTTGTTTTCTGCA CCAGAGGGAACTGTCAAAATATAGAGTCCCAAACCTTCTGGATCTCTACCAGCAATGTG GAATTATACCCATCATCATCCAATCGCAGATGGAGGGACTCCTGACATAGCCCGCTGCT GTGAAAT AATGGAAGAGCTTACAACCTGCCTAAAAATTACCGAAAACCTTAATACACT GCTATGGAGGACTTTGGAGATCTTGTCTTGTAGCTGCTTGTCTCCTACTATACCTGTCTG ACACAATATCACCAGAGCAAGCCATAGACAGCCTGCGAGACCTAAGAGGATCCGGGGCAA TACAGACCATTGCAATACAATTATCTTCATGAGTTTCGGGACAAATTAGCTGCACATC TATCATCAAGAAGATTCCAATCAAGATCTGTATCAAGATAAAGGAATTTCAATAGCATAT ATATGAACATGTCTGAAATGTCAGTTCTCTAGCATAATTTGGATTGAAATGAAACCCCA GTGTTATCAACTTGAAGTAAATGGTCTGTGCAGATATTCCTAAGGTTTTTGGCCNNNC AAAAANNAAGAANAANAACCTCACCCTAATGGGCCCGGGATGCTGTTTCGAAAA
Restriction Sites:	Please inquire
ACCN:	NM_005192
Insert Size:	850 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).
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: [NM_005192.2](#), [NP_005183.2](#)

RefSeq Size: 836 bp

RefSeq ORF: 639 bp

Locus ID: 1033

UniProt ID: [Q16667](#)

Cytogenetics: 14q22.2

Protein Families: Druggable Genome, Phosphatase

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 (1) encodes the longest isoform (1).