

Recombinant Human CDKN3, His-tagged

Cat. No. CDKN3-26470TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CDKN3 with an N terminal His tag; 232 amino acids with tag and predicted MWt 26 kDa.
Species	Human
Source	E.coli
ProteinLength	212 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	26.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 40% Glycerol, 0.1M Sodium chloride, 20mM Tris

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	HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MKPPSSIQTS EFDSSDEEPI EDEQTPIHIS WLSLSRVNCS QFLGLCALPG CKFKDVRRNV QKDTEELKSC GIQDIFVFCT RGELSKYRVP NLLDLYQQCG IITHHHPIAD GGTPDIASCC EIMEELTTCL KNYRKTLIHC YGGLGRSCLV AACLLLYLSD TISPEQAIDS LRDLRGSGAI QTIKQYNYLH EFRDKLAAHL SSRDSQSRSV SR
Sequence Similarities	Belongs to the protein-tyrosine phosphatase family.
GENE INFORMATION	
Gene Name	CDKN3 cyclin-dependent kinase inhibitor 3 [Homo sapiens]
Official Symbol	CDKN3
Synonyms	CDKN3; cyclin-dependent kinase inhibitor 3; CDI1; CDK2 associated dual specificity phosphatase; cyclin dependent kinase inhibitor; KAP; kinase associated phosphatase;
Gene ID	1033
mRNA Refseq	NM_001130851
Protein Refseq	NP_001124323
MIM	123832

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Uniprot ID	Q16667
Chromosome Location	14q22
Function	hydrolase activity; protein binding; protein serine/threonine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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