

## Recombinant Human CDKN3, His-tagged

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

### SPECIFICATION

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

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

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

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