

Recombinant Human CDKN3

Cat. No. CDKN3-26472TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CDKN3 was expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 51kDa.
Species	Human
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.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Sodium chloride, 50mM Tris HCl, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein-tyrosine phosphatase family.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
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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