

Recombinant Human CDKN2B Protein, GST-Tagged

Cat. No. CDKN2B-1064H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDKN2B full-length ORF (AAH14469, 1 a.a. - 138 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Entrez Gene Summary for CDKN2B Gene This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
Molecular Mass	40.92 kDa
AA Sequence	MREENKGIPSGGGSDEGLASAAARGLVEKVRQLLEAGADPNGVNRFGRRRAIQVMM MGSARVAELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLHRAGARLDVRDA WGRLPVDLAEERGHDRVAGYLRATATGD
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CDKN2B cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) [Homo sapiens]

Official Symbol CDKN2B

Synonyms CDKN2B; cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4); cyclin-dependent kinase 4 inhibitor B; CDK4I; INK4B; MTS2; P15; p15INK4b; TP15; MTS-2; p14-INK4b; p14_INK4B; p15-INK4b; p15_INK4B; CDK4B inhibitor; p14_CDK inhibitor; p15 CDK inhibitor; CDK inhibitory protein; multiple tumor suppressor 2; cyclin-dependent kinases 4 and 6 binding protein;

Gene ID 1030

mRNA Refseq NM_004936

Protein Refseq NP_004927

MIM 600431

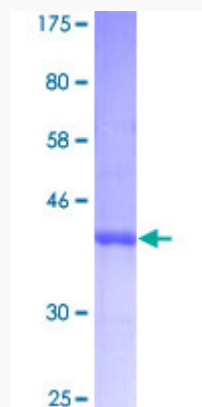
UniProt ID P42772

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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