

Recombinant Full Length Human CDKN2B Protein, GST-tagged

Cat. No. CDKN2B-3229HF **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	In Vitro Cell Free System
ProteinLength	138 amino acids
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 MGSARVAELLLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLHRAGARLDVRDA

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WGRLPVDLAEERGHHRDVAGYLRTATGD

Applications

Enzyme-linked Immunoabsorbent Assay
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

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UniProt ID

P42772

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