

Recombinant Human CDKN2B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDKN2B-4212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDKN2B MS Standard C13 and N15-labeled recombinant protein (NP_511042) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	7.9 kDa
AA Sequence	MREENKGMPSGGGSDEGLASAAARGLVEKVRQLLEAGADPNGVNRFRRAIQVA GAPGPRRQGARERGARPRRIGAGTSGPTRRRLEQKLISEEDLAANDILDYKDDDD KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CDKN2B cyclin dependent kinase inhibitor 2B [Homo sapiens (human)]
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_078487
Protein Refseq	NP_511042
MIM	600431
UniProt ID	P42772

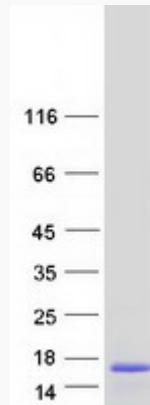
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SDS-PAGE



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