Recombinant Human CDKN2B protein

Cat. No. CDKN2B-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKN2B, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	138aa
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 orCDK6, 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.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH9.0.
Molecular Mass	14.7kDa
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles

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GENE INFORMATION

Gene Name	CDKN2B cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) [Homo sapiens]
Official Symbol	CDKN2B
Synonyms	CDKN2B; CDK4I; INK4B; MTS2; P15; p15INK4b; TP15; MTS-2; p14-INK4b; p14_INK4B; p15-INK4b; p15_INK4B; CDK4B inhibitor
Gene ID	1030
mRNA Refseq	NM_004936
Protein Refseq	NP_004927
MIM	600431
UniProt ID	P42772
Chromosome Location	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1, organism-specific biosystem; G1 Phase, organism-specific biosystem; G1 to S cell cycle control, organism-specific biosystem;
Pathway	cyclin-dependent protein kinase inhibitor activity; cyclin-dependent protein kinase inhibitor activity; kinase activity; protein binding; protein kinase binding;

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