

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 | <p>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.</p> |
| 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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