Recombinant Human CDKN1B Protein, DDK-tagged

Cat. No. CDKN1B-006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of full length human cyclin-dependent kinase inhibitor 1B (p27, Kip1) (CDKN1B), with C-terminal DDK tag, was expressed in sf9.
Species	Human
Source	Insect Cells
Description	This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4). [provided by RefSeq, Apr 2014]
Molecular Mass	22.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	50mM Tris-HCl, pH 8.0, 100mM glycine, 10% glycerol.
Full Length	Full L.

GENE INFORMATION

Gene Name	CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1) [Homo sapiens]
Official Symbol	CDKN1B
Synonyms	CDKN1B; cyclin-dependent kinase inhibitor 1B (p27, Kip1); cyclin-dependent kinase inhibitor 1B; KIP1; P27KIP1; MEN4; CDKN4; MEN1B;
Gene ID	1027
mRNA Refseq	NM_004064
Protein Refseq	NP_004055
MIM	600778
UniProt ID	P46527

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