Recombinant Full Length Human CDKN1B Protein, C-Flag-tagged

Cat. No. CDKN1B-2041HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CDKN1B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21.9 kDa
AA Sequence	MSNVRVSNGSPSLERMDARQAEHPKPSACRNLFGPVDHEELTRDLEKHCRDMEEA SQRKWNFDFQNHKPL EGKYEWQEVEKGSLPEFYYRPPRPPKGACKVPAQESQDV SGSRPAAPLIGAPANSEDTHLVDPKTDPSDS QTGLAEQCAGIRKRPATDDSSTQNK RANRTEENVSDGSPNAGSVEQTPKKPGLRRRQT TRTRPLEQKLISEEDLAANDILD YKDDDDKV

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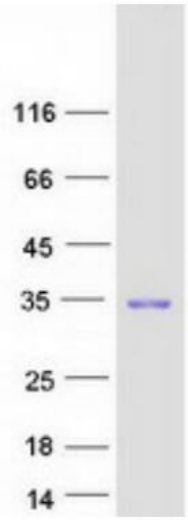
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cell cycle, Chronic myeloid leukemia, ErbB signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer
Full Length	Full L.

GENE INFORMATION

Gene Name	CDKN1B cyclin dependent kinase inhibitor 1B [Homo sapiens (human)]
Official Symbol	CDKN1B
Synonyms	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
Gene ID	1027
mRNA Refseq	NM_004064.5

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Protein Refseq	NP_004055.1
MIM	600778
UniProt ID	P46527



Coomassie blue staining of purified CDKN1B protein.

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