

Recombinant Human CDKN1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDKN1B-4158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDKN1B MS Standard C13 and N15-labeled recombinant protein (NP_004055) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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).
Molecular Mass	21.9 kDa
AA Sequence	MSNVRVSNNGSPSLERMDARQAEHPKPSACRNLFPGVDHEELTRDLEKHCRDMEEA SQRKWNFDQFQNHKPLEGKYEWQEVEKGSLEPFYYRPPRPPKGACKVPAQESQDV SGSRPAAPLIGAPANSEDLHLVDPKTDPSDSQTGLAEQCAGIRKRPATDDSSSTQNK RANRTEENVSDGSPNAGSVEQTPKKPGLRRRQTTTRTRPLEQKLISEEDLAANDILDY KDDDDKV
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.

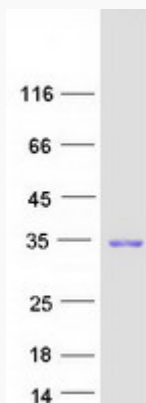
GENE INFORMATION

Gene Name	CDKN1B cyclin dependent kinase inhibitor 1B [Homo sapiens (human)]
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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SDS-PAGE

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