

Recombinant Human CDKN1B Protein, GST-Tagged

Cat. No. CDKN1B-1056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDKN1B full-length ORF (AAH01971, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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	47.52 kDa
AA Sequence	MSNVRVSNNGSPSLERMDARQAEHPKPSACRNLFPGPVDHEELTRDLEKHCRDMEEA SQRKWNFDFQNHKPLEGKYEWQEVEKGS LPEFYRPPRPPKGACKVPAQESQDG SGSRPAAPLIGAPANSEDLVDPKTDPSDSQTGLAEQCAGIRKRPATGDSSTQNK RANRTEENVSDGSPNAGSVEQTPKKPGLRRRQT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

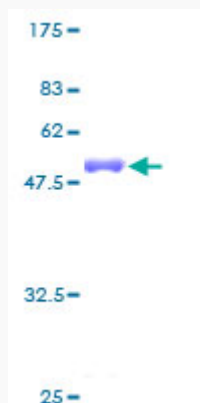
UniProt ID P46527

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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