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	MSNVRVSNGSPSLERMDARQAEHPKPSACRNLFGPVDHEELTRDLEKHCRDMEEA SQRKWNFDFQNHKPLEGKYEWQEVEKGSLPEFYYRPPRPPKGACKVPAQESQDG SGSRPAAPLIGAPANSEDTHLVDPKTDPSDSQTGLAEQCAGIRKRPATGDSSTQNK RANRTEENVSDGSPNAGSVEQTPKKPGLRRRQT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

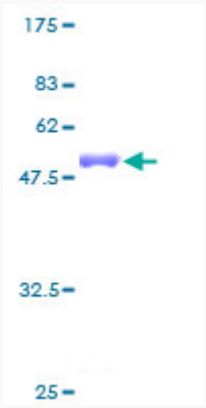
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	Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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