

Recombinant Human p18INK4C, GST-tagged

Cat. No. Cdkn2c-6983H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human p18INK4C was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	Full length
Description	p18INK4C is a member of the INK4 family of proteins that regulate the G1 to S cell cycle transition by binding to and inhibiting the pRb kinase activity of cyclin-dependent kinases 4 and 6. Mutation of p18INK4C impairs B-cell terminal differentiation and confers increased susceptibility to tumor development. p18INK4C can function as a tumor suppressor gene in Hodgkins lymphoma and its inactivation may contribute to the cell cycle deregulation and defective terminal differentiation characteristic of the Reed-Sternberg cells.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~42 kDa
Purity	>90%
Applications	Kinase Assay, Western Blot

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Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 µg/µl
GENE INFORMATION	
Gene Name	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [Homo sapiens]
Official Symbol	Cdkn2c
Synonyms	CDKN2C; cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4); cyclin-dependent kinase 4 inhibitor C; INK4C; p18; p18-INK6; CDK6 inhibitor p18; cyclin-dependent inhibitor; cyclin-dependent kinase 6 inhibitor p18; p18-INK4C;
Gene ID	1031
mRNA Refseq	NM_001262
Protein Refseq	NP_001253
MIM	603369
UniProt ID	P42773
Chromosome Location	1p32.3
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1, organism-specific biosystem; E2F transcription

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factor network, organism-specific biosystem; G1 Phase, organism-specific biosystem;

Function

cyclin-dependent protein kinase inhibitor activity; protein kinase binding;

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