

## Recombinant Human p18INK4C, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human p18INK4C was expressed in E. coli cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full length
<b>Description</b>	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.
<b>Form</b>	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.
<b>Molecular Mass</b>	~42 kDa
<b>Purity</b>	>90%
<b>Applications</b>	Kinase Assay, Western Blot

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<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.2 $\mu\text{g}/\mu\text{l}$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [ Homo sapiens ]
<b>Official Symbol</b>	Cdkn2c
<b>Synonyms</b>	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;
<b>Gene ID</b>	1031
<b>mRNA Refseq</b>	NM_001262
<b>Protein Refseq</b>	NP_001253
<b>MIM</b>	603369
<b>UniProt ID</b>	P42773
<b>Chromosome Location</b>	1p32.3
<b>Pathway</b>	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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