

## Recombinant Human CDKN2C, GST-tagged

Cat. No. CDKN2C-1475H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human p18INK4C was expressed in <i>E. coli</i> cells using an N-terminal GST tag. MW = 42 kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<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>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

### GENE INFORMATION

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<b>Gene Name</b>	CDKN2C cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [ Homo sapiens ]
<b>Synonyms</b>	CDKN2C; cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4); p18; INK4C; p18-INK4C; cyclin-dependent kinase inhibitor 2C; CDK6 inhibitor p18; OTTHUMP00000009731; cyclin-dependent inhibitor; cyclin-dependent kinase 4 inhibitor C; cyclin-dependent kinase 6 inhibitor p18; CDKN6; OTTHUMP00000009730; OTTHUMP00000046546; p18-INK4c; p18-INK6; Cyclin-dependent kinase 6 inhibitor
<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
<b>Pathway</b>	Cell cycle
<b>Function</b>	cyclin-dependent protein kinase inhibitor activity; protein binding; protein kinase binding

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