

## Recombinant Human CDKN2D, GST-tagged

**Cat. No.** CDKN2D-1476H    **Lot. No.** (See product label)


### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human p19INK4D was expressed in <i>E. coli</i> cells using an N-terminal GST tag. MW = 44 kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>Description</b>	p19INK4D protein is associated with CDK6 in several hematopoietic cell lines. It has been demonstrated that p19INK4D expression enhances cell survival under genotoxic conditions. By using p19INK4D-overexpressing cells, it has been demonstrated that p19INK4D expression correlates with the cellular resistance to UV treatment with increased DNA repair activity against UV-induced lesions. p19INK4D regulates protein network that integrate DNA repair, apoptosis and checkpoint mechanisms in order to maintain the genomic integrity.
<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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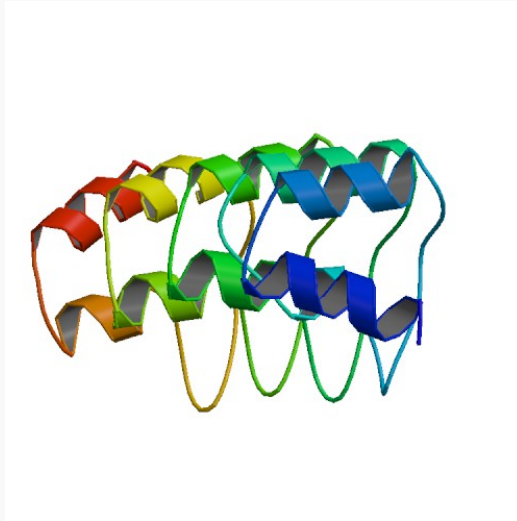
<b>Gene Name</b>	CDKN2D cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) [ Homo sapiens ]
<b>Synonyms</b>	CDKN2D; cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4); p19; INK4D; p19-INK4D; cyclin-dependent kinase inhibitor 2D; CDK inhibitor p19INK4d; inhibitor of cyclin-dependent kinase 4d; cyclin-dependent kinase 4 inhibitor D p19; cell cycle inhibitor, Nur77 associating protein; Cyclin-dependent kinase 4 inhibitor D; p19-INK4d
<b>Gene ID</b>	1032
<b>mRNA Refseq</b>	NM_001800
<b>Protein Refseq</b>	NP_001791
<b>MIM</b>	600927
<b>UniProt ID</b>	P55273
<b>Chromosome Location</b>	19p13
<b>Pathway</b>	Cell cycle
<b>Function</b>	cyclin-dependent protein kinase inhibitor activity; protein kinase binding


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