

Recombinant Human CDKN2D, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human p19INK4D was expressed in <i>E. coli</i> cells using an N-terminal GST tag. MW = 44 kDa.
Species	Human
Source	<i>E. coli</i>
Description	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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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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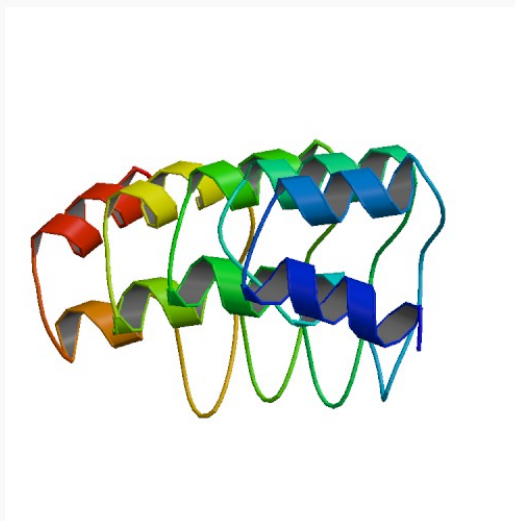
Gene Name	CDKN2D cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) [Homo sapiens]
Synonyms	CDKN2D; cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4); p19; INK4D; p19-INK4D; cyclin-dependent kinase inhibitor 2D; CDK inhibitor p19INK4d; inhibitor of cyclin-dependent kinase 4d; cyclin-dependent kinase 4 inhibitor D p19; cell cycle inhibitor, Nur77 associating protein; Cyclin-dependent kinase 4 inhibitor D; p19-INK4d
Gene ID	1032
mRNA Refseq	NM_001800
Protein Refseq	NP_001791
MIM	600927
UniProt ID	P55273
Chromosome Location	19p13
Pathway	Cell cycle
Function	cyclin-dependent protein kinase inhibitor activity; protein kinase binding

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