

Recombinant Human CDKN2D

Cat. No. CDKN2D-30050TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human p19 INK4d with N-terminal proprietary tag, MWt 44kDa.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Full Length	Full L.
GENE INFORMATION	
Gene Name	CDKN2D cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) [Homo sapiens]
Official Symbol	CDKN2D
Synonyms	CDKN2D; cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4); cyclin-dependent kinase 4 inhibitor D; INK4D; p19;
Gene ID	1032
mRNA Refseq	NM_001800
Protein Refseq	NP_001791
MIM	600927
Uniprot ID	P55273
Chromosome Location	19p13
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1, organism-specific biosystem; G1 Phase, organism-specific biosystem;
Function	cyclin-dependent protein kinase inhibitor activity; protein kinase binding;

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