

## Recombinant Human CDKN2D

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human p19 INK4d with N-terminal proprietary tag, MWt 44kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
<b>Storage</b>	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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