

Recombinant Full Length Human CDKN2D Protein, GST-tagged

Cat. No. CDKN2D-3233HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDKN2D full-length ORF (AAH01822, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	166 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	44 kDa
AA Sequence	MLLEEVRAGDRLSGAAARGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSTAI ALELLKQGVSPNVQDTSQTSPVHDAARTGFLDTLKVLEHGADVNPDPGTGALPIHL

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AVQEGHTAVVSFLAAESDLHRRDARGLTPLELALQRGAQDLVDILQGHMVAPL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; CDK inhibitor p19INK4d; inhibitor of cyclin-dependent kinase 4d; cyclin-dependent kinase 4 inhibitor D p19; cell cycle inhibitor, Nur77 associating protein; p19-INK4D;

Gene ID

1032

mRNA Refseq

NM_001800

Protein Refseq

NP_001791

MIM

600927

UniProt ID

P55273

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