

Full-Length

CDKN1C (Human) Recombinant Protein

Catalog # P9612

Size 20 ug

Specification

Product Description	Human CDKN1C (P42773, 1 a.a. - 168 a.a.) full recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMAEPWGNELASAAARGDLEQLTSLLQNNVNVNAQNGFG RTALQVMKLGNPEIARRLLLRGANPDLKDRTGFAVIHDAARAGFLDTLQTLLEFQADVNIEDNEGN LPLHLAAKEGHLRVVEFLVKHTASNVGHRNHKGDTACDLARLYGRNEVVSLMQANGAGGATNLQ
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	20.7
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (2 mM DTT, 200 mM NaCl and 10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CDKN2C

Entrez GeneID	1031
Protein Accession#	P42773
Gene Name	CDKN2C
Gene Alias	INK4C, p18, p18-INK4C
Gene Description	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
Omim ID	603369
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact 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. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported. [provided by RefSeq]
Other Designations	CDK6 inhibitor p18 OTTHUMP00000009730 OTTHUMP00000009731 OTTHUMP00000046546 cyclin-dependent inhibitor cyclin-dependent kinase 4 inhibitor C cyclin-dependent kinase 6 inhibitor p18 cyclin-dependent kinase inhibitor 2C

Pathway

- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Malignant melanoma](#)
- [Melanoma](#)

- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 1](#)
- [Multiple Myeloma](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)