

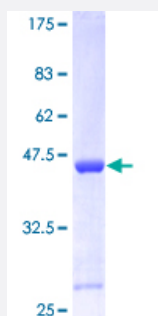
Full-Length

CDKN2C (Human) Recombinant Protein (P01)

Catalog # H00001031-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDKN2C full-length ORF (AAH16173, 1 a.a. - 168 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAEPWGNELASAAARGDLEQLTSLQNNVNVNAQNGFGRTALQVMKLGNPEIARRLLLRGANPD LKDRTGFAVIHDAARAGFLDTLQTLLFQADVNIEDNEGNLPLHLAAKEGHLRVVEFLVKHMASN VGHRNHKGDACDLARLYGRNEVVSMLQANGAGGATNLQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.22
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CDKN2C

Entrez GeneID [1031](#)

GeneBank Accession# [BC016173](#)

Protein Accession# [AAH16173](#)

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](#)