

Product information

CDKN2C, 1-168aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1377

Full name: Cyclin-dependent kinase 4 inhibitor C

NCBI Accession No.: NP_001253

Synonyms: INK4C, p18, p18-INK4C

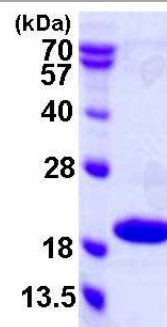
Description: CDKN2C (Cyclin-dependent kinase 4 inhibitor C) belongs to the CDKN2 cyclin-dependent kinase inhibitor family. It has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. And this protein suppresses the cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Recombinant human CDKN2C protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl

Molecular Weight: 20.7kDa (192aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMAEPWG NELASAAARG DLEQLTSLQ NNVNVNAQNG FGRTALQVMK LGNPEIARRL LLRGANPDLK
DRTGFAVIHD AARAGFLDTL QTLLEFQADV NIEDNEGNLP LHAAKEGHL RVVEFLVKHT ASNVGHRNHK GDTACDLARL YGRNEVVSML
QANGAGGATN LQ

General references:

Blais A, *et al.* (1998).) *Biochem Biophys Res Commun* 247 (1): 146–53.

Serrano M, *et al.* (1994). *Nature* 366 (6456): 704–7.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.