

# Recombinant Human CDKN2C Protein (His Tag)

Catalog Number:PKSH032310



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

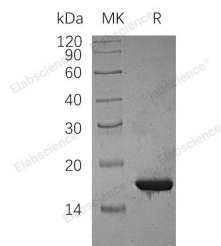
## Description

<b>Synonyms</b>	Cyclin-Dependent Kinase 4 Inhibitor C;Cyclin-Dependent Kinase 6 Inhibitor;p18-INK4c;p18-INK6;CDKN2C;CDKN6
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Gln168
<b>Accession</b>	P42773
<b>Calculated Molecular Weight</b>	20.3 kDa
<b>Observed molecular weight</b>	17 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Cyclin-Dependent Kinase 4 Inhibitor C (CDKN2C) is a member of the INK4 family of cyclin dependent kinase inhibitors. CDKN2C contains 4 ANK repeats and interacts with CDK4 or CDK6. Highest levels of CDKN2C can be found in skeletal muscle, pancreas, and heart. CDKN2C inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB and prevent the activation of the CDK kinases. Studies have been shown the roles of CDKN2C gene in regulating spermatogenesis, as well as in suppressing tumorigenesis.

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