

CDKN2C Human

Description: CDKN2C Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 192 amino acids (1-168 and having a molecular mass of 20.7kDa. CDKN2C is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PKPS-027

For research use only.

Synonyms: Cyclin-dependent kinase inhibitor 2C (p18 inhibits CDK4), cyclin-dependent kinase 4 inhibitor C, cyclin-dependent kinase 6 inhibitor p18, INK4C, p18, p18-INK6, p18-INK4C, CDK6 inhibitor p18, cyclin-dependent inhibitor, CDKN6, p18-INK4c.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMAEPWG NELASAAARG
DLEQLTSLQ NNVNVNAQNG FGRTALQVMK LGNPEIARRL LLRGANPDLK DRTGFAVIHD
AARAGFLDTL QTLLEFQADV NIEDNEGNLP LHAAKEGHL RVVEFLVKHT ASNVGHRNHK
GDTACDLARL YGRNEVVSLM QANGAGGATN LQ

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The CDKN2C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

CDKN2C is a member of the CDKN2 cyclin-dependent kinase inhibitor family. CDKN2C cooperates with CDK4 or CDK6, and inhibits the activation of the CDK kinases, therefore acts as a cell growth regulator which regulates cell cycle G1 progression. CDKN2C suppresses the cell growth and proliferation with a correlated dependency on endogenous retinoblastoma protein RB. Studies in the knockout mice show CDKN2C takes part in regulating spermatogenesis, in addition to suppressing tumorigenesis.

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