

32-2968: CDKN2C Recombinant Protein

Alternative Name : 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.

Description

Source : E.coli. 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. 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.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The CDKN2C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSMAEPWG NELASAAARG DLEQLTSLQ NNVNVNAQNG FGRTALQVMK LGNPEIARRL LLRGANPDLK DRTGFAVIHD AARAGFLDTL QTLLEFQADV NIEDNEGNLP LHLAAKEGHL RVVEFLVKHT ASNVGHRNHK GDTACDLARL YGRNEVSLM QANGAGGATN LQ