

32-7221: Recombinant Human Cyclin-Dependent Kinase 4 Inhibitor C/CDKN2C (N-6His)

Gene : CDKN2C

Gene ID : 1031

Uniprot ID : P42773

Description

Source: E.coli.

MW :20.3kD.

Recombinant Human CDKN2C is produced by our E.coli expression system and the target gene encoding Met1-Gln168 is expressed with a 6His tag at the N-terminus. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 8.0.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : MGSSHHHHHHSSGLVPRGSHMAEPWGNELASAAARGDLEQLTSLLQNNVNVNAQNGFGRTALQVMKLGNP
EIARRLLLRGANPDLKDRTGFAVIHDAARAGFLDTLQTLLEFQADVNIEDNEGNLPLHLAAKEGHLRVVEFLVKH
TASNVGHRNHKGDTACDLARLYGRNEVVSLMQANGAGGATNLQ

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.