



Recombinant Protein Technical Manual

Recombinant Human CDKN2C Protein (His Tag)

RPES1484

Product Data:

Product SKU: RPES1484

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P42773

Protein Information:

Molecular Mass: 20.3 kDa

AP Molecular Mass: 17 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cyclin-Dependent Kinase 4 Inhibitor C; Cyclin-Dependent Kinase 6 Inhibitor; p18-INK4c; p18-INK6; CDKN2C; CDKN6

Immunogen Information:

Sequence: Met 1-Gln168

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.