
Product Data Sheet

Product Name: CDKN2C Human

Cat. No.: GP22451

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMAEPWG NELASAAARG DLEQLTSLLO NNVNVNAQNG FGRTALQVMK LGNPEIARRL LLRGANPDLK DRTGFAVIHD AARAGFLDTL QTLLEFQADV NIEDNEGNLP LHAAKEGHL RVVEFLVKHT ASNVGHRNHK GDTACDLARL YGRNEVVSLM QANGAGGATN LQ		
Formulation	The CDKN2C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.		

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.

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.

Background

CDKN2C Human Recombinant produced in E.coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA