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## Product Data Sheet

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Product Name: CDKN3 Human  
 Cat. No.: GP22452  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cyclin-dependent kinase inhibitor 3; CDK2-associated dual-specificity phosphatase; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; Kinase-associated phosphatase; KAP; CDI1; CIP2; KAP1; FLJ25787; MGC70625; CDKN3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKPPSSIQTS EFDSSDEEPI EDEQTPIHIS WLSLSRVNCS QFLGLCALPG CKFKDVERRNV QKDTEELKSC GIQDIFVFCT RGELSKYRVP NLLDLYQQCG IITHHHPIAD GGTPDIASCC EIMEELTTCL KNYRKTLIHC YGGLGRSCLV AACLLLYLSD TISPEQAIDS LRDLRGSGAI QTIKQYNYLH EFRDKLAAHL SSRDSQSRSV SR.		
Formulation	The CDKN3 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.1M NaCl.		

### Introduction

Cyclin-dependent kinase inhibitor 3 (CDKN3) is a member of the dual specificity protein phosphatase family. CDKN3 was identified as a cyclin-dependent kinase inhibitor, and was shown to interact with, and dephosphorylate CDK2 kinase, consequently prevent the activation of CDK2 kinase. In addition CDKN3 is important in cell cycle regulation. The CDKN3 gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers.

### 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

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

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CDKN3 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 232 amino acids (1-212 a.a.) and having a molecular mass of 25.9kDa. The CDKN3 is purified by proprietary chromatographic techniques.

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