

## CDKN3 Human

**Description:** 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.

Catalog #:PKPS-343

For research use only.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MKPPSSIQTS EFDSSDEEPI  
EDEQTPIHIS WLSLSRVNCS QFLGLCALPG CKFKDVRRNV QKDTEELKSC GIQDIFVFCT  
RGELSKYRVP NLLDLYQQCG IITHHHPIAD GGTPDIASCC EIMEELTTCL KNYRKTLIHC  
YGGLGRSCLV AACLLLYLSD TISPEQAIDS LRDLRGSGAI QTIKQYNYLH EFRDKLAAHL  
SSRDSQSRSV SR

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The CDKN3 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.1M NaCl.

**Stability:**

CDKN3 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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