

## CDK2AP1 Human

**Description:**CDK2AP1 Human Recombinant fused to 37 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids (1-115 a.a.)and having a molecular mass of 16.6 kDa. The CDK2AP1 is purified by proprietary chromatographic techniques.

**Catalog #:**PKPS-369

For research use only.

**Synonyms:**Cyclin-dependent kinase 2-associated protein 1, CDK2-associated protein 1, Putative oral cancer suppressor, Deleted in oral cancer 1, DOC-1, CDK2AP1, CDKAP1, DOC1, ST19, DORC1, p12DOC-1.

**Source:**Escherichia Coli.

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

**Amino Acid Sequence:**RGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSY  
KPNLAAHMPA AALNAAGSVH SPSTSMATSS QYRQLSDYG PPSLGYTQGT GNSQVPQSKY  
AELLAIEEL GKEIRPTYAG SKSAMERLKR GIIHARGLVR ECLAETERNA RS.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The CDK2AP1 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.

**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.

**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:**

CDK2AP1 is a CDK2-associated protein that negatively regulates CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. CDK2AP1 interacts with DNA polymerase alpha and mediates the phosphorylation of the large p180 subunit, which implicates the regulatory role in DNA replication during S phase of the cell cycle.

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