

Recombinant Human CDK2AP1, His-tagged

Cat. No. CDK2AP1-1936H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant CDK2AP1 protein fused to his-tag was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 16.6kDa (152aa).
Species	Human
Source	E.coli
Description	CDK2AP1 is a specific CDK2-associated protein, which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. Also, interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggested the regulatory role in DNA replication during S phase of the cell cycle. A similar gene in hamster was isolated from, and functions as a growth suppressor of normal keratinocytes.
Purity	> 95% by SDS – PAGE.
Physical Appearance	Liquid.
Formulation	20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 2mM DTT.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSY KPNLAA H MPA AALNAAGSVH SPSTSMATSS QYRQLLSDYG PPSLGYT QGTGNS QV P Q S KY AELLAIEEL GKEIRPTYAG SKSAMERLKR GIIHARGLVR ECLAET ERNA R S.

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

CDK2AP1 cyclin-dependent kinase 2 associated protein 1 [Homo sapiens]

Synonyms

CDK2AP1; cyclin-dependent kinase 2 associated protein 1; DOC1; ST19; DORC1; doc-1; p12DOC-1; CDK2-associated protein 1; Deleted in oral cancer-1; deleted in oral cancer 1; putative oral cancer suppressor; cyclin-dependent kinase 2-associated protein 1; CDKAP1

Gene ID

8099

mRNA Refseq

NM_004642

Protein Refseq

NP_004633

MIM

602198

UniProt ID

O14519

**Chromosome
Location**

12q24.31

Function

DNA binding; protein binding

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