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*E.coli*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 KDRWGSHMSY KPNLAA H MPA AALNAAGSVH SPSTSMATSS QYRQLLSDYG PPSLGYT QGTGNS QV P Q S KY AELLAIIEEL 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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