

Recombinant Human CDK2AP1, His-tagged

Cat. No. CDK2AP1-27911TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CDKA1 / DOC1 fused to His tag at N-terminus; amino acids 1-115 , 16.6kDa.
Species	Human
Source	E.coli
ProteinLength	1-115 a.a.
Description	The protein encoded by this gene is a specific CDK2-associated protein, which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to 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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 20mM Tris HCl, 2mM DTT, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSYMSY KPNLAAHMPA AALNAAGSVH SPSTSMATSS QYRQLLSYDG PPSLGYTQGT GNSQVPQSKY AELLAIIEEL GKEIRPTYAG SKSAMERLKR GIIHARGLVR ECLAETERNA RS
Sequence Similarities	Belongs to the CDK2AP family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CDK2AP1 cyclin-dependent kinase 2 associated protein 1 [Homo sapiens]
Official Symbol	CDK2AP1
Synonyms	CDK2AP1; cyclin-dependent kinase 2 associated protein 1; CDK2 associated protein 1; cyclin-dependent kinase 2-associated protein 1; doc 1; DOC1; DORC1; p12DOC 1; ST19;
Gene ID	8099
mRNA Refseq	NM_004642
Protein Refseq	NP_004633
MIM	602198
Uniprot ID	O14519

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Chromosome Location	12q24
Function	DNA binding;