

Recombinant human CDK2AP1 protein

Catalog Number: ATGP0480

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-115aa

UniProt No.

O14519

NCBI Accession No.

NP_004633

Alternative Names

Cyclin-dependent kinase 2 associated protein 1, CDKAP1, DOC1, CDKA1, Cyclin-dependent kinase 2 associated protein 1 CDK2 A1, CDK2 associated protein 1, CDK2AP1, Cyclin dependent kinase 2 associated protein 1 Deleted in oral cancer 1, DOC 1, DOC 1 related protein, DOC 1R, DOC1R, Putative oral cancer suppressor.

PRODUCT SPECIFICATION

Molecular Weight

16.6 kDa (152aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 2mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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a growth suppressor of normal keratinocytes. Recombinant CDK2AP1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

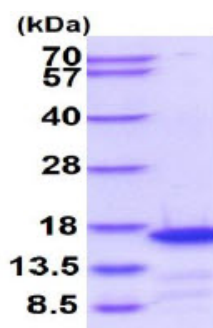
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSYMSY KPNLAHMPA AALNAAGSVH SPSTSMATSS
QYRQLLSYDG PPSLGYTQGT GNSQVPQSKY AELLAIEEL GKEIRPTYAG SKSAMERLKR GIIHARGLVR ECLAETERNA RS

General References

Tsuji T., et al. (1998) J Biol Chem. 273(12):6704-9.
Hu MG., et al. (2004) Cancer Res. 64(2):490-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)