Recombinant human CDK2AP2 protein

Catalog Number: ATGP1868

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-126aa

UniProt No.
O75956

NCBI Accession No.
NP_005842

Alternative Names
cyclin-dependent kinase 2 associated protein 2, DOC-1R, p14

PRODUCT SPECIFICATION

Molecular Weight
15.5 kDa (149aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 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
CDK2AP2, also known as DOC-1R and p14, belongs to the CDK2AP family. CDK2-associated protein is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. CDK2AP2 is a regulator for self-renewal of mouse embryonic stem cells (mESCs) under permissive conditions, and cell survival during differentiation of the mESCs into terminally differentiated cell types. CDK2AP2 may be involved in the regulation of self-renewal of stem cells during early embryogenesis. Recombinant human CDK2AP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

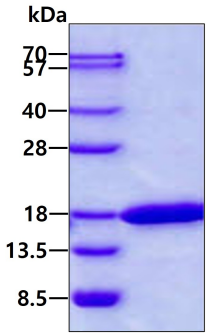
<MGSSHHHHHH SSGLVPRGSH MGS>MSYKPIA PAPSSTPGSS TPGPGTPVPT GSVPSPSGSV PGAGAPFRPL FNDFGPPSMG YVQAMKPPGA QGSQSTYTDL LSVIEEMGKE IRPTYAGSKS AMERLKRGII HARALVRECL AETERNART

General References

Deshpande AM, et al. (2012) Stem Cells Dev. Jun 25.
Shintani, et al. (2000) Mol. Cell. Biol. (uNITED STATES) 20 (17): 6300-7.

DATA

SDS-PAGE



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