

Datasheet for ABIN7317362

CDK2AP2 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	CDK2AP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK2AP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CDK2AP2 Protein (E.coli, His Tag)
Sequence:	Met 1-Thr 126
Characteristics:	A DNA sequence encoding the human CDK2AP2 (O75956) (Met 1-Thr 126) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 78 %(the upper band)+17 %(the lower band) as determined by reducing SDS-PAGE.

Target Details

Target:	CDK2AP2
Alternative Name:	CDK2AP2 (CDK2AP2 Products)
Background:	Background: CDK2AP2 belongs to the CDK2AP family. Members of this family of proteins are cell-growth suppressors, associating with and influencing the biological activities of important cell cycle regulators in the S phase including monomeric non-phosphorylated cyclin-dependent kinase 2 (CDK2) and DNA polymerase alpha/primase. CDK2AP2 contains 5 distinct gt-ag

Target Details

introns. Transcription produces 7 different mRNAs, 6 alternatively spliced variants and 1 unspliced form. There are 2 non overlapping alternative last exons and 4 validated alternative polyadenylation sites. The mRNAs appear to differ splicing versus retention of 3 introns. CDK2AP2 plays a role in regulating self-renewal of mouse embryonic stem cells (mESC) under permissive conditions, and cell survival during differentiation of the mESC into terminally differentiated cell types.

Synonym: Cyclin-dependent kinase 2-associated protein 2,CDK2-associated protein 2,DOC-1-related protein,DOC-1R,CDK2AP2,DOC1R,p14

Molecular Weight:	14.5 kDa
UniProt:	O75956
Pathways:	PI3K-Akt Signaling , Cell Division Cycle , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Synthesis of DNA

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, 15 % glycerol, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.