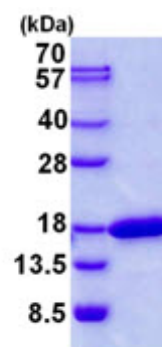


AR50692PU-S

Human CDK2AP2 (1-126, His-tag) - Purified

Alternate names:	CDK2-associated protein 2, Cyclin-dependent kinase 2-associated protein 2, DOC-1-related protein, DOC1R
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q75956
NCBI:	NP_005842.1
GeneID:	10263
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Description:	Recombinant human CDK2AP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMYSKPIA PAPSSTPGSS TPGPGTPVPT GSVPSPSGSV PGAGAPFRPL FNDGPPSMG YVQAMKPPGA QGSQSTYTDL LSVIEEMGKE IRPTYAGSKS AMERLKRGI HARALVRECL AETERNART Molecular weight: 15.5 kDa (149aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Deshpande AM, et al. (2012) Stem Cells Dev. Jun 25. Shintani, et al. (2000) Mol. Cell. Biol. (UNITED STATES) 20 (17): 6300-7.

Pictures:



15% SDS-PAGE (3ug)