

CDK2AP2 Human

Description: CDK2AP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids (1-126 a.a) and having a molecular mass of 15.5kDa. CDK2AP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PKPS-055

For research use only.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMYSKPIA PAPSSTPGSS
TPGPGTVPPT GSVPSPSGSV PGAGAPFRPL FNDFGPPSMG YVQAMKPPGA QGSQSTYTDL
LSVIEEMGKE IRPTYAGSKS AMERLKRGI HARALVRECL AETERNART.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

CDK2AP2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Cyclin-Dependent Kinase 2 Associated Protein 2 (CDK2AP2) is a member of the CDK2AP family. CDK2-associated protein is assumed to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. CDK2AP2 is implicated in the regulation of self-renewal of stem cells during early embryogenesis. CDK2AP2 is a regulator for self-renewal of mESCs (mouse embryonic stem cells) under permissive conditions, and cell survival during differentiation of the mESCs into terminally differentiated cell types.

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