

Product information

Alix, 1-392 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0482

Full name: Programmed cell death 6 interacting protein

NCBI Accession No.: NP_037506

Synonyms: AIP1, PDCD6IP, DRIP4, HP95

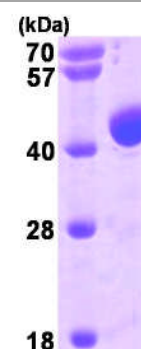
Description: Alix, also known as PDCD6IP, is a cytoplasmic protein that interacts with apoptosis-associated proteins (ALG-2 and PDCD6) and with the endocytosis-regulator CIN85. It's involved in concentration and sorting of cargo proteins of the multivesicular body for incorporation into intraluminal vesicles that are generated by invagination and scission from the limiting membrane of the endosome. Overexpression of this protein and endophilins results in cytoplasmic vacuolization which may be partly responsible for the protection against cell death. Recombinant PDCD6IP protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol
1mM DTT.

Molecular Weight: 45.8 kDa (412aa)

Purity: > 95% by SDS – PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MATFISVQLK KTSEVDLAKP LVKFIQQTYP SGGEEQAQYC RAAEELSKLR RAAVGRPLDK HEGALETLLR
YYDQICSIEP KFPFSENQIC LTFTWKDAFD KGSLFGGSVK LALASLGYEK SCVLFNCAAL ASQIAAEQNL DNDEGLKIAA KHYQFASGAF
LHIKETVLSA LSREPTVDIS PDTVTGLSLI MLAQAQEVFF LKATRDKMKD AIIAKLANQA ADYFGDAFKQ CQYKDTLPKE VFPVLAAKHC
IMQANA EYHQ SILAKQQKKF GEEIARLQHA AELIKTVASR YDEYVNVKDF SDKINRALAA AKKDNDFIYH DRVPDLKDLD PIGKATLVKS
TPVNPISQK FTDLFEKMVP VSVQQSLAAY NQRKADLVNR SIAQMREATT LA

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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General references:

Morita E., *et al.* (2007) *EMBO J.* 26(19):4215-27.

Katoh K., *et al.* (2004) *Arch Biochem Biophys.* 421(1):159-65.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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