Recombinant human PDCD6IP protein

Catalog Number: ATGP0482

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-392aa

UniProt No.
Q8WUM4

NCBI Accession No.
NP_037506.2

Alternative Names
Programmed cell death 6 interacting protein, PDCD6-interacting protein, ALG-2 interacting protein X, ALG-2-interacting protein 1, Alix, AIP1, Hp95

PRODUCT SPECIFICATION

Molecular Weight
45.8 kDa (412aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM 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
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 intralumenal 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

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death. Recombinant PDCD6IP protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

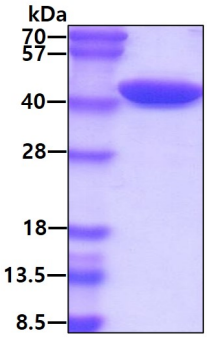
<MGSSHHHHHH SSGLVPRGSH> MATFISVQLK KTSEVDLAKP LVKFIQQTYP SGGEEQAQYC RAAEELSKLR RAAVGRPLDK HEGALETLLR YYDQICSIEP KFPFSENQIC LTFTWKDAFD KGSLFGGSVK LALASLGYEK SCVLFNCAAL ASQIAAEQNL DNDEGLKIAA KHYQFASGAF LHIKETVLSA LSREPTVDIS PDTVGTLSLI MLAQAQEVFF LKATRDKMKD AIIAKLANQA ADYFGDAFKQ CQYKDTLPKE VFPVLAAKHC IMQANAEYHQ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

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.

DATA

SDS-PAGE



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