Recombinant human IPP-POZ (1-157aa) protein

Catalog Number: POZ3002

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-157aa

UniProt No.
Q9Y573

NCBI Accession No.
NP_005888

Alternative Names
Intracisternal A particle-promoted polypeptide isoform 1, IPP, KLHL27, IPP-POZ domain, MIPP protein, Kelch-like protein 27, Actin-binding protein IPP, Intracisternal A particle-promoted polypeptide isoform 1, Protein phosphatase inhibitor 1, Actin binding protein IPP, I1, Intracisternal A particle promoted polypeptide, IPP POZ, Kelch like protein 27, Protein phosphatase 1 regulatory subunit 1A

PRODUCT SPECIFICATION

Molecular Weight
17.3 kDa (157aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 10mM HEPES buffer (pH 7.4) containing 25mM NaCl

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

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
Intracisternal A particle-promoted polypeptide (IPP) is a 66kDa protein (584 amino acids), which contains an N-terminal POZ protein-protein interaction domain and a C-terminla kelch repeat domain consisting of six tandem arranged repeats. The POZ domain (also called BTB domain) is present near the N-terminus of a fraction of zinc

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finger proteins and in protein that contain the pfam01344 motif such as kelch and pox virus proteins. The BTB/POZ domain mediates homomeric dimerization and in some instances heteromeric dimerization. POZ domains from several zinc finger proteins have been shown to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes including N-coR and SMRT. IPP-POZ domain (1-157aa) was overexpressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

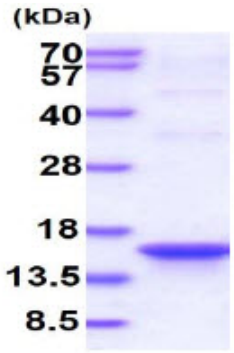
MANEDCPKAA DSPFSSDKHA QLILAQINKM RNGQHFCDVQ LQVGQESFKA HRLVLAASSP YFAALFTGGM KESSKDVVPI LGIEAGIFQI LLDFIYTGIV NIGVNNVQEL IIAADMLQLT EVVHLCCEFL KGQIDPLNCI GIFQFSEQIA CHDLLEF

General References

Kim IF., et al. (1999) Gene 228(1-2), 73-83.
Chang-Yeh, A., et al. (1993) Genomics. 15(1), 239-241.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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