

IPP-POZ domain(1-157aa), Human Recombinant, E.coli

Cat.NO.: TP02685

3th Edition

Synonyms:Intracisternal A particle-promoted polypeptide isoform 1, KLHL27 , Actin-binding protein IPP, MIPP protein

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 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.

Form:Liquid. In 10 mM HEPES (pH 7.4) containing 25 mM NaCl

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

Sequences:

MANEDCPKAADSPFSSDKHAQLILAQINKMRNGQHFCDVQLQVGQESFKAHRLVLAASSPYFAALFTGGMKESSK
DVVPILGIEAGIFQILLDFIYTGIVNIGVNNVQELIIAADMLQLTEVVHLCCEFLKQIDPLNCIGIFQFSEQIACHDLLEF

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.