

Recombinant Human Intracisternal A Particle-promoted Polypeptide

Cat. No. IPP-141H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human intracisternal A particle-promoted polypeptide produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 157 amino acids and has a molecular mass of 17.3 kDa.
Species	Human
Source	E.coli
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-termina 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.
Amino Acid Sequence	MANEDCPKAA DSPFSSDKHA QLILAQINKM RNGQHFCDVQ LQVGQESFKA HRLVLAASSPYFAALFTGGM KESSKDVPPI LGIEAGIFQI LLDFIYTGIV NIGV NNVQEL IIAADMLQLTEVVHLCCEFL KGQIDPLNCI GIFQFSEQIA CHDLLEF.

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Physical Appearance	Sterile filtered colorless solution.
Formulation	The protein (1mg/ml) containing 10mM HEPES (pH7.4) and 25mM NaCl.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
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. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

GENE INFORMATION

Gene Name	IPP intracisternal A particle-promoted polypeptide [Homo sapiens]
Synonyms	IPP; intracisternal A particle-promoted polypeptide; KLHL27; Actin-binding protein IPP; MIPP protein; Kelch-like protein 27; OTTHUMP00000009696
Gene ID	3652
mRNA Refseq	NM_005897
Protein Refseq	NP_005888
MIM	147485
UniProt ID	Q9Y573
Chromosome Location	1p34-p32

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Function	actin binding; protein binding
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