

Product datasheet for **TP318556**

PDZD6 (INTU) (NM_015693) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human intuned planar cell polarity effector homolog (Drosophila) (INTU), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218556 representing NM_015693 Red =Cloning site Green =Tags(s)

MASVASCDSRPSSDELPGDPSSQEEDDYDFEDRVSDSGSYSSASSDYDDLEPEWLDSVQKNGELFYLEL
SEDEEESLLPETPTVNHVRFSENEIIIEDDYKERKKYEPKQFTKILRRKLLPKRCNKKNSNDNGPVS
ILKHQSNQKTGVIVQQRKYKDVNVVYVNPVKLVKAKEQLKLEVLVGIHQTKWSWRRTGKQGDGERLW
HGLLPGGSAMKSGQVLIGDVLVAVNDVDVTTENIERVLSLCPGPMQVKLTFENAYDVKRETSHPRQKKTQ
SNTSDLVKLLWGEEVEGIQQSGLNTPHIIMYLTQLDSETSKEEQEILYHYPMSEASQKLKSVRGIFLTL
CDMLENVTGTQVTSSSLLNGKQIHVAYWKESDKLLLIGLPAEEVPLPRLRNMIENVIQTLKFMYGSLDS
AFCQIENVPRLDHFNLFFQALQPAKLHSSASPSAQYDASSAVLLDNLPGVRWLTLPLEIKMELDMAL
SDLEAADFAELSEDYDMRRLYTLGSSLFYKGYLICSHLPKDDLIDIAVYCRHYCLLPLAAKQRIGQLI
IWREVFQHHLRPLADSSTEVFPEPEGRYFLLVGLKHYMLCVLLEAGGCASKAIGSPGPDVYDQVKT
TLHQLDGVDSRIDERLASSPVPCLSCADWFLTGSREKTDLSLTTSPILSRLQGTSKVATSPTCRRTLFQDY
SLKTRKPSPCSSGGSDNGCEGGEDDGFSPHTTPDAVRKQRESQSGDGLLEESGTLKLVTKKSTLPNPFH
LGNLKKDLPEKELEIYNTVKTSGPENTLFHYVALETVQGIFITPTLEEVAQLSGSIHPQLIKNFHQCL
SIRAVFQQTLVEEKKKGLNSGDHSDSAKSVSSLNPVKEHGVLFECSPGNWTDQKKAPPVMAYWVWGRFLF
HPKPQELYVCFHDSVTEIAIEIAFKLFFGLTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

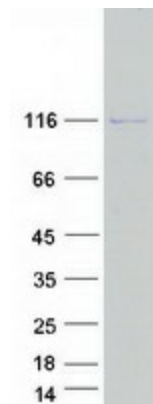
Tag:	C-Myc/DDK
Predicted MW:	105.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056508
Locus ID:	27152
UniProt ID:	Q9ULD6
RefSeq Size:	3238
Cytogenetics:	4q28.1
RefSeq ORF:	2826
Synonyms:	CPLANE4; INT; OFD17; PDZD6; PDZK6; SRTD20
Summary:	Plays a key role in ciliogenesis and embryonic development. Regulator of cilia formation by controlling the organization of the apical actin cytoskeleton and the positioning of the basal bodies at the apical cell surface, which in turn is essential for the normal orientation of elongating ciliary microtubules. Plays a key role in definition of cell polarity via its role in ciliogenesis but not via conversion extension. Has an indirect effect on hedgehog signaling (By similarity). Proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies (PubMed:27158779).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified INTU protein (Cat# TP318556). The protein was produced from HEK293T cells transfected with INTU cDNA clone (Cat# [RC218556]) using MegaTran 2.0 (Cat# [TT210002]).