

Product datasheet for TP523978

Intu (NM_175515) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse intuned planar cell polarity protein (Intu), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR223978 protein sequence Red =Cloning site Green =Tags(s) |

MAGLARGDSRGRPPELPGDLSSQEEEEEGDSDAGASSLGSYSSASSD TDVEPEWLDSVQKNGELFYLEL
SEDEEESLLPETQTANHVNHVRFSDKEVIIIEEDDSRERKKSEPKLRRFTKILKSKLLPRRHHKSSNN
GPVSILKHQSSQKTGVTVQQRKYKDVTVYINPRKLTAIKAREQVKLLEVLVGIHQTKRSWKRSKQADGE
RLVHGLLPGGSAMKSGQVLVGDVAVNDVDVTSNIERVLSCIPGPMQVKLTFENAYAVKRETAQPQK
KKAQSSTQDLVLLCGSEADAVQHSTLSIPHISMYLTLQLQSEAAREEQEILYHYPVSEASQKLKSVRGI
FLTLCDMLESVTGTQVTSSSLHLNGKQIHVAYLKESDKLLLIGLPAEEVPLPQLRNMIEDVAQTLKFMYG
SLDSAFCQVENAPRLDHFFSLFFERALRPGKHLHLSGSPSAQQYAAASAVLLDNLPGVRWLVLPQELKVEL
DTALSDEAADFEELSEDYDMRRLYLITLGSLSFYKGYMVCSHLPKDDVIEIAAYCRQHCLLPLAAKQRI
GQLIHWREVFRHHLQPPSDSDPEAFQEPEGRYFLLVGLRHYLLCVLLEAGGCASKATGNPDPDCIYVD
QVRATLHQLEGVDSRIEEQLATSPGPCLSCADWFLAAPREKADSLTTPILSRLQGPKTAASPTCRRTF
FSDYSFKARKPSPSRIGGGREPTGEESAGLSPHATPDAVRKQRESEGSDDNVALKLARKKSTLPNPFH
LGTSKKELSEKELEVYDIMKLTSGPENTLFHYVALETVQGIFITPHEEVAQLGGSVHSQLIKNFHQCLL
SIRAFFQQLKEEKKKALS DGEHSEPTNSVSSLSPVKEHGVLFECS PENWTDQKKT PPMVMSYWVVGRLFL
NPKPQELYVCFHDSVSEIAIEMAFKLFGLTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|---|
| Tag: | C-MYC/DDK |
| Predicted MW: | 104.8 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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| 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 after receiving vials. |
| 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_780724 |
| Locus ID: | 380614 |
| UniProt ID: | Q059U7 |
| RefSeq Size: | 6387 |
| Cytogenetics: | 3 B |
| RefSeq ORF: | 2829 |
| Synonyms: | 9230116I04Rik; 9430087H23Rik; mKIAA1284; Pdzd6; Pdzk6 |
| 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 (PubMed:20067783, PubMed:21761479). 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 (By similarity).[UniProtKB/Swiss-Prot Function] |