

Recombinant Mouse Intu Protein, Myc/DDK-tagged

Cat. No. Intu-3559M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inturnd planar cell polarity protein (Intu), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. 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.
Molecular Mass	104.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Intu inturned planar cell polarity protein \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Intu](#)

Synonyms [Intu](#); [inturned planar cell polarity protein](#); [Pdzd](#); [Pdzk](#); [Pdzd6](#); [Pdzk6](#); [mKIAA1284](#); [9230116I04Rik](#); [9430087H23Rik](#); [protein inturned](#); [PDZ domain-containing protein 6](#); [inturned planar cell polarity effector homolog](#)

Gene ID [380614](#)

mRNA Refseq [NM_175515](#)

Protein Refseq [NP_780724](#)

UniProt ID [Q059U7](#)

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