

Datasheet for ABIN7563599
INTU Protein (AA 1-942) (His tag)



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Overview

Quantity:	1 mg
Target:	INTU
Protein Characteristics:	AA 1-942
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INTU protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Intu Protein expressed in mammalian cells.
Sequence:	MAGLARGDSR GRPELPGDL SSQEEEEEEG DSDAGASSLG SYSSASSDTD VEPEWLDSVQ KNGELFYLEL SEDEEESLLP ETQTANHVNH VRFSDKEVII EEDDSRERKK SEPKLRRFTK ILKSKSLLPR RHHKKSSSNN GPVSILKHQS SQKTGVTVQQ RYKDVTVYIN PRKLTAIKAR EQVKLLEVLV GIIHQTKRSW KRSKQADGE RLVVHGLLP GSAMKSGQVL VGDVLVAVND VDVTSENIER VLSCIPGPMQ VKLTFENAYA VKRETAQPQK KKAQSSTQDL VKLLCGSEAD AVQHSTLSIP HISMYLTLQL QSEAAAREEQE ILYHYPVSEA SQKLKSVRGI FLTLCDMLES VTGTQVTSSS LHLNGKQIHV AYLKESDKLL LIGLPAEEVP LPQLRNMIED VAQTLKFMYG SLDSAFQCQE NAPRLDHFFS LFFERALRPG KLHLSGSPSA QQYAAASAVL LDNLPGVRWL VLPQELKVEL DTALSDLEAA DFEELSEDYY DMRRLYTILG SSIFYKGYMV CSHLPKDDVI EIAAYCRQHC LLPLAAKQRI GQLIIWREVF PRHHLQPPSD SDPEAFQEPE GRYFLLVVG RHYLLCVLLE AGGCASKATG NPGPDICIYVD QVRATLHQLG GVDSRIEEQL ATSPGPCLSC

Product Details

ADWFLAAPRE KADSLTTSPI LSRLQGPSKT AASPTCRRTF FSDYSFKARK PSPSRIGGGGR
EPTGEESAG LSPHATPDAV RKQRESEGSD DNVALLKLAR KKSTLPNPFH LGTSKKELSE
KELEVYDIMK LTSGPENTLF HYVALETVQG IFITPTHEEV AQLGGSVHSQ LIKNFHQCCL
SIRAFFQQTL KEEKKKALSD GEHSEPTNSV SSLSPVKEHG VLFECSPENW TDQKKTPPVM
SYWVVGRFL NPKPQELYVC FHDSVSEIAI EMAFKLFFGL TL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	INTU
Alternative Name:	Intu (INTU Products)
Background:	Protein inturned (Inturned planar cell polarity effector homolog) (PDZ domain-containing protein 6),FUNCTION: 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

Target Details

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).
{ECO:0000250|UniProtKB:Q9ULD6, ECO:0000269|PubMed:20067783, ECO:0000269|PubMed:21761479}.

Molecular Weight: 104.8 kDa

UniProt: [Q059U7](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months