

Datasheet for ABIN7548830
KPTN Protein (AA 1-436) (His tag)



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Overview

Quantity:	1 mg
Target:	KPTN
Protein Characteristics:	AA 1-436
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KPTN protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KPTN Protein expressed in mammalien cells.
Sequence:	MMGEAAVAAG PCPLREDSFT RFSSQSNVYG LAGGAGGRGE LLAATLKGKV LGFRYQDLRQ KIRPVAKELQ FNYIPVDAEI VSIDTFNKSP PKRGLVVGIT FIKDSGDKGS PFLNIYCDYE PGSEYNLDSI AQSCNLLELQ FTPFQLCHAE VQVGDQLETV FLLSGNDPAI HLYKENEGLH QFEEQPVENL FPELTNLTSS VLWLDVHNFP GTSRRLSALG CQSGYVRVAH VDQRSREVLQ MWSVLQDGPI SRVIVFSLSA AKETKDRPLQ DEYSVLVASM LEPAVVYRDL LNRGLEDQLL LPGSDQFDSV LCSLVTDVDL DGRPEVLVAT YGQELLCYKY RGPESGLPEA QHGFHLLWQR SFSSPLLAMA HVDLTGDGLQ ELAVVSLKGV HILQHSLIQA SELVTRLRH QVEQRRRLQ GLEDGAGAGP AENAAS 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:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	KPTN
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Alternative Name:	KPTN (KPTN Products)
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Background:	KICSTOR complex protein kaptin (Actin-associated protein 2E4),FUNCTION: As part of the KICSTOR complex functions in the amino acid-sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose. {ECO:0000269 PubMed:28199306}.
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Molecular Weight:	48.1 kDa
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UniProt:	Q9Y664
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Pathways:	Sensory Perception of Sound
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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
