

Datasheet for ABIN7552110 **AKTIP Protein (AA 1-292) (His tag)**



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Overview

Quantity:	1 mg
Target:	AKTIP
Protein Characteristics:	AA 1-292
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKTIP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AKTIP Protein expressed in mammalian cells.
Sequence:	<p>MNPFWSMSTS SVRKRSEGEE KTLTGDVKTS PPRTAPKKQL PSIPKNALPI TKPTSPAPAA</p> <p>QSTNGTHASY GPFYLEYLL AEFTLVVKQK LPGVYVQPSY RSALMWFGVI FIRHGLYQDG</p> <p>VFKFTVYIPD NYPDGDCPRL VFDIPVFHPL VDPTSGELDV KRAFAKWRRN HNHIWQVLMY</p> <p>ARRVFYKIDT ASPLNPEAAV LYEKDIQLFK SKVVDsvkvc TARLFDQPKI EDPYAISFSP</p> <p>WNPSVHDEAR EKMLTQKKPE EQHNKSVHVA GLSWVKPGSV QPFSKEEKT V AT 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	AKTIP
Alternative Name:	AKTIP (AKTIP Products)
Background:	AKT-interacting protein (Ft1) (Fused toes protein homolog),FUNCTION: Component of the FTS/Hook/FHIP complex (FHF complex) (PubMed:32073997). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Regulates apoptosis by enhancing phosphorylation and activation of AKT1. Increases release of TNFSF6 via the AKT1/GSK3B/NFATC1 signaling cascade. FHF complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (PubMed:32073997). {ECO:0000269 PubMed:14749367, ECO:0000269 PubMed:18799622, ECO:0000269 PubMed:32073997}.
Molecular Weight:	33.1 kDa
UniProt:	Q9H8T0

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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