

Datasheet for ABIN7544793
TUB Protein (AA 1-506) (His tag)



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Overview

Quantity:	1 mg
Target:	TUB
Protein Characteristics:	AA 1-506
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TUB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TUB Protein expressed in mammalian cells.
Sequence:	<p>MTSKPHSDWI PYSVLDDDEGR NLRQQLDRQ RALLEQKQKK KRQEPLMVQA NADGRPRSRR ARQSEEQAPL VESYLSSSGS TSYQVQEADS LASVQLGATR PTAPASAKRT KAAATAGGQG GAARKEKKGK HKTSGPAAL AEDKSEAQGP VQILTVGQSD HAQDAGETAA GGERPSGQD LRATMQRKGI SSSMSFDEDE EDEEENSSSS SQLNSNTRPS SATSRKSVRE AASAPSPTAP EQPVDVEVQD LEEFALRPAP QGITIKRIT RDKKGMDRGM YPTYFLHLDR EDGKKVFLLA GRKRKSKTS NYLISVDPTD LSRGGDSYIG KLRSNLMGTK FTVYDNGVNP QKASSSTLES GTLRQELAAV CYETNVLGFK GPRKMSVIVP GMNMVHERVS IRPRNEHETL LARWQNKNT SIIELQNKTP VWNDTQSYV LNFHGRVTQA SVKNFQIIHG NDPYIVMQF GRVAEDVFTM DYNYPALCALQ AFAIALSSFD SKLACE 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

Product Details

isoform, please contact us regarding an individual offer.

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.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

TUB

Alternative Name:

TUB ([TUB Products](#))

Background:

Tubby protein homolog,FUNCTION: Functions in signal transduction from heterotrimeric G protein-coupled receptors. Binds to membranes containing phosphatidylinositol 4,5-bisphosphate. Can bind DNA (in vitro). May contribute to the regulation of transcription in the nucleus. Could be involved in the hypothalamic regulation of body weight (By similarity). Contribute to stimulation of phagocytosis of apoptotic retinal pigment epithelium (RPE) cells and macrophages. {ECO:0000250, ECO:0000269|PubMed:19837063}.

Molecular Weight:

55.7 kDa

UniProt:

[P50607](#)

Pathways:

[RTK Signaling](#), [Sensory Perception of Sound](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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
