

Datasheet for ABIN7544188

## TUBb6 Protein (AA 1-446) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	TUBb6
Protein Characteristics:	AA 1-446
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TUBb6 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant TUBB6 Protein expressed in mammalian cells.
Sequence:	<p>MREIVHIQAG QCGNQIGTKF WEVISDEHGI DPAGGYVGDS ALQLERINVY YNESSSQKYV</p> <p>PRAALVDLEP GTMDSVRSGP FGQLFRPDNF IFGQTGAGNN WAKGHYTEGA ELVDAVLDDV</p> <p>RKECEHCDCL QGQLTHSLG GGTGSGMGTL LISKIREEF DRIMNTFSVM PSPKVS DTVV</p> <p>EPYNATLSVH QLVENTDETY CIDNEALYDI CFRTLKLTTP TYGDLNHLVS ATMSGVTTSL</p> <p>RFPGQLNADL RKLAVNMVPF PRLHFFMPGF APLTSRGSQQ YRALVPELT QQMFDARNMM</p> <p>AACDPRHGRY LTVATVFRGP MSMKEVDEQM LAIQSKNSSY FVEWIPNNVK VAVCDIPPRG</p> <p>LKMASTFIGN STAIQELFKR ISEQFSAMFR RKAFLHWFTG EGMDMEFTE AESNMNDLVS</p> <p>EYQQYQDATA NDGEEAFEDE EEEIDG <b>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.</b></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.

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	TUBb6
Alternative Name:	TUBB6 ( <a href="#">TUBb6 Products</a> )
Background:	Tubulin beta-6 chain (Tubulin beta class V),FUNCTION: Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin. {ECO:0000250 UniProtKB:P02557}.
Molecular Weight:	49.9 kDa
UniProt:	<a href="#">Q9BUF5</a>
Pathways:	<a href="#">Microtubule Dynamics</a>

## 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.
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Application Details

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