

Datasheet for ABIN7544322

**Tubulin, beta 8 Protein (TUBB8) (AA 1-444) (His tag)**[Go to Product page](#)

## Overview

Quantity: 1 mg

Target: Tubulin, beta 8 (TUBB8)

Protein Characteristics: AA 1-444

Origin: Human

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: This Tubulin, beta 8 protein is labelled with His tag.

Application: SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose: Custom-made recombinat TUBB8 Protein expressed in mammalian cells.

Sequence: MREIVLTQIG QCGNQIGAKF WEVISDEHAI DSAGTYHGDS HLQLERINVY YNEASGGRYV  
PRAVLVDLEP GTMDSVRS GP FGQVFRPDNF IFGQCGAGNN WAKGHYTEGA ELMESVMDV  
RKEAESCDCL QGFQLTHSLG GGTGSGMGTL LLSKIREEYP DRIINTFSIL PSPKVSDTV  
EPYNATLSVH QLIENADETF CIDNEALYDI CSKTLKLPTP TYGDLNHLVS ATMSGVTTCL  
RFPGQLNADL RKLAVNMVPF PRLHFFMPGF APLTSRGSQQ YRALTVAELT QQMFDKNMM  
AACDPRHGRY LTAAAFRGR MPMREVDEQM FNIQDKNSSY FADWLPNNVK TAVCDIPPRG  
LKMSATFIGN NTAIQELFKR VSEQFTAMFR RKAFLHWYTG EGMDMEFTE AESNMNDLVS  
EYQQYQDATA EEEEEDEEYAE EEVA **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

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- 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

## Target Details

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Target: Tubulin, beta 8 (TUBB8)

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Alternative Name: TUBB8 ([TUBB8 Products](#))

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Background: Tubulin beta-8 chain (Tubulin beta 8 class VIII),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. TUBB8 has a key role in meiotic spindle assembly and oocyte maturation (PubMed:26789871, PubMed:34509376).  
{ECO:0000269|PubMed:26789871, ECO:0000269|PubMed:34509376}.

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Molecular Weight: 49.8 kDa

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UniProt: [Q3ZCM7](#)

## Application Details

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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

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## Application Details

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guarantee though.

Restrictions: For Research Use only

## Handling

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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