

Datasheet for ABIN7544822  
**TULP3 Protein (AA 1-442) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TULP3
Protein Characteristics:	AA 1-442
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TULP3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TULP3 Protein expressed in mammalian cells.
Sequence:	MEASRCRLSP SGDSVFHEEM MKMRQAKLDY QRLLEKRQR KKRLEPFMVQ PNPEARLRRRA KPRASDEQTP LVNCHTPHSN VILHGIDGPA AVLKPDEVHA PSVSSSVVEE DAENTVDTAS KPGLQERLQK HDISESVNFD EETDGISQSA CLERPNSASS QNSTDTGTSG SATAAQPADN LLGDIDDLED FVYSPAPQGV TVRCRIIRDK RGMDRGLFPT YMYLEKEEN QKIFLLAARK RKKSKTANYL ISIDPVDLSR EGESYVGKLR SNLMGTKFTV YDRGICPMKG RGLVGAAHTR QELAAISYET NVLGFKGPRK MSVIIPGMTL NHKQIPYQPQ NNHDSLLSRW QNRTMENLVE LHNKAPVWNS DTQSYVLNFR GRVTQASVKN FQIVHKNDPD YIVMQFGRVA DDVFTLDYNY PLCAVQAFGI GLSSFDSKLA CE <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>
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:

#### 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:

TULP3

---

### Alternative Name:

TULP3 ([TULP3 Products](#))

---

### Background:

Tubby-related protein 3 (Tubby-like protein 3),FUNCTION: Negative regulator of the Shh signaling transduction pathway: recruited to primary cilia via association with the IFT complex A (IFT-A) and is required for recruitment of G protein-coupled receptor GPR161 to cilia, a promoter of PKA-dependent basal repression machinery in Shh signaling. Binds to phosphorylated inositide (phosphoinositide) lipids. Both IFT-A- and phosphoinositide-binding properties are required to regulate ciliary G protein-coupled receptor trafficking. During adipogenesis, regulates ciliary trafficking of FFAR4 in preadipocytes.  
{ECO:0000269|PubMed:11375483, ECO:0000269|PubMed:20889716, ECO:0000269|PubMed:31761534}.

---

### Molecular Weight:

49.6 kDa

---

### UniProt:

[O75386](#)

---

### Pathways:

[Regulation of G-Protein Coupled Receptor Protein Signaling, Tube Formation](#)

## 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

---