

AR50504PU-N**Human TULP1 (290-542, His-tag) - Purified****Alternate names:**

TUBL1, Tubby-like protein 1, Tubby-related protein 1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Tubby-related protein 1, also known as TULP1, is a member of the TULP family of four proteins (TUB and TULP1, -2, and -3), characterized structurally by the highly conserved C-terminal half of the protein. In the retina, TULP1 is found exclusively in photoreceptor cells, localizing primarily in the inner segments and connecting cilium and to a lesser extent in the perinuclear cytoplasm and synaptic termini.

Uniprot ID:[O00294](#)**NCBI:**[NP_003313](#)**GeneID:**[7287](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT, 2mM EDTA**Description:**

Recombinant human TULP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSEPREFVL RPAPQGRTVR CRLTRDKKGM DRGMYPSYFL
HLDTEKKVFL LAGRKRKRKSK TANYLISIDP TNLSRGGENF IGKLRSNLLG NRFTVFDNGQ
NPQRGYSTNV ASLRQELAAV IYETNVLGFR GPRRMTV IIP GMSAENERVP IRPRNASDGL
LVRWQNKTL E SLIELHNKPP VWNDDSGSYT LNFQGRVTQA SVKNFQIVHA DDPDYIVLQF
GRVAEDAFTL DYRYPLCALQ AFAIALSSFD GKLACE

Molecular weight: 31.1 kDa (276aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Xi Q., et al. (2005) Invest. Ophthalmol. Vis. Sci. 46:4754-4761 Caberoy N.B., et al.

(2010) Exp. Cell Res. 316:245-257

Pictures:

