

**TULP1, 290-542aa, Human, His tag, E.coli**

**Cat.NO.: TP04340**

3th Edition

**Synonyms:**Tubby-related protein 1, LCA15, RP14, TUBL1

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT, 2mM EDTA

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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSEPREFVLRPAPQGRVTRCRLTRDKKGMDRGMYPYFLHLDTEKKVFLAG  
RKRKRSKTANYLISIDPTNLSRGGENFIGKLRSNLLGNRFTVFDNGQNPQRGYSTNVASLRQELAAVIYETNVLGFR  
GPRRMTVIIPGMSAENERVPIRPRNASDGLLVRWQNKLTLESLIELHNKPPVWDDSGSYTLNFQGRVTQASVKNFQ  
IVHADDPDYIVLQFGRVAEDAFTLDYRYPLCALQAFIALSSFDGKLACE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.