

32-5157: Recombinant Human Tubby Like Protein 1

Alternative Name : Tubby like protein 1,TUBL1,RP14,LCA15,tubby-related protein 1.

Description

Source : E.coli. TULP1 Human Recombinant produced in E. coli is a single polypeptide chain containing 276 amino acids (290-542) and having a molecular mass of 31.1 kDa.TULP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tubby-related protein 1 (TULP1) belongs to the TULP family of 4 proteins (TUB and TULP1, -2, and -3), categorized structurally by the highly conserved C-terminal half of the protein. Tubby-like gene family (TULPs) members are found in plants, vertebrates, and invertebrates and encode proteins of unknown function. TULP proteins share a conserved C-terminal region of roughly 200 amino acid residues. In the retina, TULP1 is observed exclusively in the photoreceptor cells, localizing predominantly in the inner segments and connecting cilium and to a lesser degree in the perinuclear cytoplasm and synaptic termini. TULP1 gene mutations are linked with retinitis pigmentosa.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The TULP1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 5mM DTT, 2mM EDTA and 50% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEPREFVL RPAPQGRTVR CRLTRDKKGM DRGMYPYFL HLDTEKKVFL LAGRKRKRSK TANYLISIDP TNL SRGGNF IGKLRNLLG NRFTVFDNGQ NPQRGYSTNV ASLRQELAAV IYETNVLGFR GPRRMTVIIP GMSAENERVP IRPRNASDGL LVRWQNKLE SLIELHNKPP VWDDSGSYT LNFQGRVTQA SVKNFQIVHA DDPDYIVLQF GRVAEDAFTL DYRYPLCALQ AFAIALSSFD GKLACE