

TULP1 Human

Description: 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.

Catalog #: PRPS-1198

For research use only.

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

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSEPREFVL RPAPQGRTVR
CRLTRDKKGM DRGMYPSYFL HLDTEKKVFL LAGRKRRKRSK TANYLISIDP TNLSRGGENF
IGKLRSNLLG NRFTVFDNGQ NPQRGYSTNV ASLRQELAAV IYETNVLGFR GPRRMTVIIP
GMSAENERVP IRPRNASDGL LVRWQNKLE SLIELHNKPP VWNDDSGSYT LNFQGRVTQA
SVKNFQIVHA DD

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The TULP1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 5mM DTT, 2mM EDTA and 50% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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