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Recombinant human TULP1 protein

Catalog Number: ATGP1680

PRODUCT INFORMATION

Expression system

E.coli

Domain

290-542aa

UniProt No.

000294

NCBI Accession No.

NP 003313.3

Alternative Names

Tubby-related protein 1, LCA15, RP14, TuBL1

PRODUCT SPECIFICATION

Molecular Weight

31.1 kDa (276aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

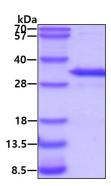
<MGSSHHHHHH SSGLVPRGSH MGS>EPREFVL RPAPQGRTVR CRLTRDKKGM DRGMYPSYFL HLDTEKKVFL LAGRKRKRSK TANYLISIDP TNLSRGGENF IGKLRSNLLG NRFTVFDNGQ NPQRGYSTNV ASLRQELAAV IYETNVLGFR GPRRMTVIIP GMSAENERVP IRPRNASDGL LVRWQNKTLE SLIELHNKPP VWNDDSGSYT LNFQGRVTQA SVKNFQIVHA DDPDYIVLQF GRVAEDAFTL DYRYPLCALQ AFAIALSSFD GKLACE

General References

Xi Q., et al. (2005) Invest. Ophthalmol. Vis. Sci. 46:4754-4761 Caberoy N.B., et al. (2010) Exp. Cell Res. 316:245-257

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

