9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TULP1 Human

Tubby Like Protein 1 Human Recombinant
RCP2471

Product Overview

Name	TULP1 Human
Description	
Tubby Like Protein 1 Human Recombinant	
Accession (Primary)	O00294
Synonyms	
Tubby like protein 1, TUBL1, RP14, LCA15, tubby-related protein 1.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS EPREFVL RPAPQGRTVR CRLTRDKKGM DRGMYPSYFL HLDTEKKVFL LAGRKRKRSK TANYLISIDP TNLSRGGENF IGKLRSNLLG NRFTVFDNGQ NPQRGYSTNV ASLRQELAAV	

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IYETNVLGFR GPRRMTVIIP GMSAENERVP IRPRNASDGL LVRWQNKTLE SLIELHNKPP VWNDDSGSYT

LNFQGRVTQA SVKNFQIVHA DDPDYIVLQF GRVAEDAFTL DYRYPLCALQ AFAIALSSFD GKLACE

Precautions

TULP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00294)