

Recombinant human LZTFL1 protein

Catalog Number: ATGP2929

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-299aa

UniProt No.

Q9NQ48

NCBI Accession No.

NP_065080

Alternative Names

Leucine zipper transcription factor-like protein 1, Leucine zipper transcription factor-like protein 1, BBS17

PRODUCT SPECIFICATION

Molecular Weight

37 kDa (322aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

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

LZTFL1 is a ubiquitously expressed protein that localizes to the cytoplasm. This protein interacts with Bardet-Biedl Syndrome (BBS) proteins and, through its interaction with BBS protein complexes, regulates protein trafficking to the ciliary membrane. Nonsense mutations in this gene cause a form of Bardet-Biedl Syndrome; a ciliopathy characterized in part by polydactyly, obesity, cognitive impairment, hypogonadism, and kidney failure. LZTFL1 may also function as a tumor suppressor; possibly by interacting with E-cadherin and the actin cytoskeleton and thereby regulating the transition of epithelial cells to mesenchymal cells. Recombinant human

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LZTFL1 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

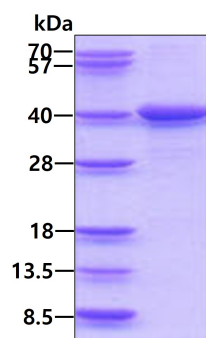
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KPILDVTKPK LAPLNEGTA ELLNKEILRL QEENEKLSR LKTIEIQATN ALDEKSKLEK ALQDLQLDQG NQKDFIKAQD
LSNLENTVAA LKSEFQKTLN DKTENQKSLE ENLATAKHDL LRVQEQLHMA EKELEKKFQQ TAAYRNMKEI LTKKNDQIKD
LRKRLAQYEP ED

General References

Wei Q., et al. (2010) *Cancer Res.* 70 (7), 2942-2950

DATA

SDS-PAGE



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