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Recombinant human LZTFL1 protein

Catalog Number: ATGP2929

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-299aa

UniProt No.

09N048

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

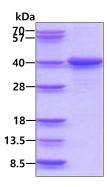
<MGSSHHHHHH SSGLVPRGSH MGS>MAELGLN EHHQNEVINY MRFARSKRGL RLKTVDSCFQ DLKESRLVED TFTIDEVSEV LNGLQAVVHS EVESELINTA YTNVLLLRQL FAQAEKWYLK LQTDISELEN RELLEQVAEF EKAEITSSNK KPILDVTKPK LAPLNEGGTA ELLNKEILRL QEENEKLKSR LKTIEIQATN ALDEKSKLEK ALQDLQLDQG NQKDFIKAQD LSNLENTVAA LKSEFQKTLN DKTENQKSLE ENLATAKHDL LRVQEQLHMA EKELEKKFQQ TAAYRNMKEI LTKKNDQIKD LRKRLAQYEP ED

General References

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

DATA

SDS-PAGE



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

