

AR51749PU-N

Human LZTFL1 (1-299, His-tag) - Purified

Alternate names:

Leucine zipper transcription factor-like protein 1

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9NQ48](#)

NCBI:

[NP_065080](#)

GeneID:

[54585](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid. In PBS buffer (pH 7.4) containing 10% glycerol, 1mM DTT.

Description:

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

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMAELGLN EHHQNEVINY MRFARSKRGL RLKTVDSFCQ
DLKESRLVED TFTIDEVSEV LNGLQAVVHS EVESELINTA YTNVLLLRQL FAQAEKWYK
LQTDISELEN RELLEQVAEF EKAEITSSNK KPILDVTKPK LAPLNEGTA ELLNKEILRL
QEENEKLKSR LKTIEIQATN ALDEKSKLEK ALQDLQLDQG NQKDFIKAQD LSNLENTVAA
LKSEFQKTLN DKTENQKSLE ENLATAKHDL LRVQEQLHMA EKELEKKFQQ TAAYRNMKEI
LTKKNDQIKD LRKRLAQYEP ED

Molecular weight: 37.0 kDa (322aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

