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

# LZTFL1 Human

*Leucine Zipper Transcription Factor-Like 1 Human Recombinant*
*RCP1290*

## Product Overview

| | |
|---|---|
| Name | LZTFL1 Human |

**Description**

Leucine Zipper Transcription Factor-Like 1 Human Recombinant

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|---|---|
| Accession (Primary) | Q9NQ48 |

**Synonyms**

Leucine Zipper Transcription Factor-Like 1, BBS17, Leucine Zipper Transcription Factor-Like Protein 1, Leucine zipper transcription factor-like protein 1.

**Introduction**

Leucine Zipper Transcription Factor-Like 1, also known as LZTFL1 is a ubiquitously expressed protein which localizes to the cytoplasm. LZTFL1 interacts with Bardet-Biedl Syndrome proteins (BBS) and during its interaction with BBS protein complexes, regulates protein trafficking to the ciliary membrane. Nonsense mutations in LZTFL1 cause a form of Bardet-Biedl Syndrome; a ciliopathy characterized partly by polydactyly, obesity, cognitive impairment, hypogonadism, and kidney failure. LZTFL1 also acts as a tumor suppressor; possibly by interacting with E-cadherin as well as the actin cytoskeleton and in this manner regulating the transition of epithelial cells to mesenchymal cells.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile filtered colorless solution.

**Formulation**

LZTFL1 protein solution (1mg/ml) containing PBS buffer (pH 7.4), 10% glycerol and 1mM DTT.

**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 MAELGLN EHHQNEVINY MRFARSKRGL RLKTVDSCFQ DLKESRLVED TFTIDEVSEV LNGLQAVVHS EVESELINTA YTNVLLLRQL FAQAEKWYLK LQTDISELEN RELLEQVAEF

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EKAEITSSNK KPILDVTKPK LAPLNEGGTA ELLNKEILRL QEENEKLKSR LKTIEIQATN ALDEKSKLEK ALQDLQLDQG NQKDFIKAQD LSNLENTVAA LKSEFQKTLN DKTENQKSLE ENLATAKHDL LRVQEQLHMA EKELEKKFQQ TAAYRNMKEI LTKKNDQIKD LRKRLAQYEP ED.

**Precautions**

LZTFL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q9NQ48 )