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**Product Data Sheet**


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Product Name: LZTFL1 Human  
 Cat. No.: GP23855  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Leucine Zipper Transcription Factor-Like 1; BBS17; LeucineZipper Transcription Factor-Like Protein 1; Leucine zipper transcriptionfactor-like protein 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSM AELGLN EHHQNEVINY MRFARSKRGL RLKTV DSCFQ DLKESRLVEDTFTIDEVSEV LNGLQAVVHS EVESELINTA YTNVLLLRQL FAQAEKWYK LQTDISELEN RELLEQVAEFEKAEITSSNK KPILDVTKPK LAPLNEGTA ELLNKEILRL QEENEKLSR LKTIEIQATN ALDEKSKLEKALQDLQLDQG NQKDFIKAQD LSNLENTVAA LKSEFQKTLN DKTENQKSLE ENLATAKHDL LRVQEQLHMAEKELEKKFQQ TAAYRNMKEI LTKKNDQIKD LRKRLAQYEP ED.		
Formulation	LZTFL1 protein solution (1mg/ml) containing PBS buffer(pH 7.4), 10% glycerol and 1mM DTT.		

**Introduction**

LeucineZipper 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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

### Background

LZTFL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-299 a.a) and having a molecular mass of 37.0kDa.

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