

Product datasheet for PH307289

LZTFL1 (NM_020347) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LZTFL1 MS Standard C13 and N15-labeled recombinant protein (NP_065080)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207289
Predicted MW:	34.6 kDa
Protein Sequence:	>RC207289 protein sequence Red =Cloning site Green =Tags(s) MAELGLNEHHQNEVINYMRFARSKRGLRLKTVDSFCQDLKESRLVEDFTIDEVSEVLNGLQAVVHSEVE SELINTAYTNVLLLRQLFAQAEKWYKLTQDISELENRELLEQVAEFKAEITSSNKKPILDVTKPKLAP LNEGGAELLNKEILRLQEENEKLSRLKTIEIQATNALDEKSKLEKALQDLQLDQGNQKDFIKAQDLSN LENTVAALKSEFQKTLNDKTENQKSLEENLATAKHDLRLVQEQLHMAEKELEKFKQTAAYRNMKEILTK KNDQIKDLRKRLAQYEPED TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065080
RefSeq Size:	4075
RefSeq ORF:	897
Synonyms:	BBS17
Locus ID:	54585



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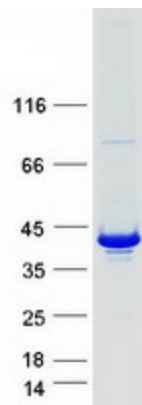
UniProt ID: [Q9NQ48](#)

Cytogenetics: 3p21.31

Summary: This gene encodes 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. This gene 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. [provided by RefSeq, Aug 2020]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified LZTFL1 protein (Cat# [TP307289]). The protein was produced from HEK293T cells transfected with LZTFL1 cDNA clone (Cat# [RC207289]) using MegaTran 2.0 (Cat# [TT210002]).