

## Product datasheet for SC113133

### LZTFL1 (NM\_020347) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LZTFL1 (NM_020347) Human Untagged Clone
Tag:	Tag Free
Symbol:	LZTFL1
Synonyms:	BBS17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113133 sequence for NM_020347 edited (data generated by NextGen Sequencing)

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ATGGCAGAGTTGGGCCTAAATGAGCACCATCAAATGAAGTTATTAATTATATGCGTTTT
GCTCGTTCAAAGAGAGGCTTGAGACTCAAACCTGTAGATTCCTGCTTCCAAGACCTCAAG
GAGAGCAGGCTGGTGGAGGACACCTTCACCATAGATGAAGTCTCTGAAGTCTCAATGGA
TTACAAGCTGTGGTTCATAGTGAGGTGGAATCTGAGCTCATCAACACTGCCTATACCAAT
GTGTTACTTCTGCGACAGCTGTTTGACAAGCTGAGAAGTGGTATCTTAAGCTACAGACA
GACATCTCTGAACCTGAAAACCGAGAATTATTAGAACAAGTTGCAGAATTTGAAAAGCA
GAGATTACATCTTCAAACAAAAGCCCATCTTAGATGTCACAAAGCCAAAACCTTGCTCCA
CTTAATGAAGGTGGAACAGCAGAACTCCTAAACAAGGAAATTTAAGACTTCAAGAAGAG
AATGAGAAATTGAAGTCAAGGTTGAAGACCATTGAAATACAGGCTACAAATGCACTGGAT
GAAAAGTCAAACCTAGAAAAGCACTGCAAGATTTACAGCTTGATCAAGGAAATCAAAG
GATTTTATAAAGGCCAAGACTTAAGTAACTTAGAAAACACTGTCGCTGCCTTAAAGAGT
GAGTTTCAGAAGACACTTAATGACAAGACAGAAAACCAGAAGTCACTGGAGGAGAATCTG
GCGACAGCCAAGCAGATCTACTCAGGGTTCAGGAGCAGCTGCACATGGCTGAAAAGGAA
TTAGAAAAGAAATTTAGCAAACAGCAGCTTATCGAAACATGAAAGAGATTCTTACCAAG
AAGAATGACCAAATCAAAGATCTGAGGAAAAGACTGGCACAATATGAACCTGAAGATTAA

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Clone variation with respect to NM\_020347.2



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020347 unedited  
 NCCGTTCAGATTTTGTATACGACTACTATAGGGNCCGGCCGCGCAATTCGGCACGAGGA  
 TTTTCTGTGGTCCAACCTACCTCGGCGATCCCAGGCTTGGCGGGCACCCTGGCCTCT  
 CCCGTTCTTTAGGCTGCCGCCGCTGCCTGCCGCCATGGCAGAGTTGGGCCTAAATGAGC  
 ACCATCAAATGAAGTTATTAATTATATGCGTTTTGCTCGTTCAAAGAGAGGCTTGAGAC  
 TCAAAACTGTAGATTCTGTCTTCAAGACCTCAAGGAGAGCAGGCTGGTGGAGGACACCT  
 TCACCATAGATGAAGTCTCTGAAGTCTCAATGGATTACAAGCTGTGGTTCATAGTGAGG  
 TGGAACTGAGCTCATCAACACTGCCTATACCAATGTGTTACTTCTGCGACAGCTGTTTG  
 CACAAGCTGAGAAGTGGTATCTTAAGCTACAGACAGACATCTCTGAACTTGAAAACCGAG  
 AATTATTAGAACAAGTTGCAGAATTTGAAAAAGCAGAGATTACATCTTCAAAACAAAAAGC  
 CCATCTTAGATGTCACAAAGCCAAAACCTGCTCCACTTAATGAAGGTGGAACAGCAGAAC  
 TCCTAAACAAGGAAATTTAAGACTTCAAGAAGAGAATGAGAAATTGAAGTCAAGTTGA  
 AGACCATGAAATACAGGCTACAAATGCACTGGATGAAAAGTCAAACTAGAAAAAGCAC  
 TGCAAGATTTACAGCTTGATCAAGGAAATCAAAGGATTNTATAAAGGGCCCAAGACTTT  
 AAGTACTTAGAAAACACTGTCGCTGCCTTAAAGNAGTGAGTTCAGAAGACTTNTATGA  
 CAGACAGAAAACCGAAGTCACTGGNAGNAGAATCTGGCGACAGCCAAGCCGATCTACTCA  
 GGGTCAGGAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_020347 unedited  
 TGGCACTCCAGGGCCGNATAGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCT  
 GTTCAGGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTT  
 TAAAAATAAAGAGACATATTTATTTGTAATAACTCTTTTTTTTGGTAATAACTATCTTT  
 AACAATGCTATTATTTATTTTACCATGGGGAATGCATAAGTACAAACATTGTTAGCTT  
 ATTTAACATTTATTAATAACAGACTCTTTATACTAATGCAGAAGGATAAGCCTCTTCT  
 TCCCACTCTAAAAATCTCTTCTTTGCTGTAAAGAATTCTCAGTGCATGTGAGCTAAGACT  
 CTGGAGCACTCAGTAGAGAGGTGTGTGGGATGACCAGACAGAATCACTAGGTTTTCTCTG  
 TTTTCACTAGCTGAAAATAGGAACTCTAGTTCTAAATATTCAAAGTCTAAATATTAGAA  
 AAATAAGGAGAGGGGATATGACAAAATGCTTTTCAAATACATGCCTGAGGTGAGACTGC  
 TTGTATGTTTGCATGTGGTAGCTCCAGAGGAAATCTTCAGTTTTAATCTTCAGTTTCAT  
 ATTTGCCAGTCTTTTCTCAGATCTTTGATTTGGTCATTCTTCTTGGTAGAATCTTTT  
 CATGTTTCGATAAGCTGCTGTTTGTGTAATTTCTTTTCTAATTCCTTTTCAGCCATGTG  
 CAGCTGCTCCTGAACCCCTGAATAGATCGTGCTTGGCTGTGCGCAGATTTCTCCANGACTT  
 CTGGTTTCTGTCTGCATTAAGGGTCTCTGAAACNACTCTTAAGCAGCGACAGTGTCTA  
 AGTACTTAGTCTTGGGCTTATAAATC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_020347

**Insert Size:**

1500 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020347.2</a> , <a href="#">NP_065080.1</a>
<b>RefSeq Size:</b>	3398 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	54585
<b>UniProt ID:</b>	<a href="#">Q9NQ48</a>
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>