

Product datasheet for **SC115917**

LZTR1 (NM_006767) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LZTR1 (NM_006767) Human Untagged Clone
Tag:	Tag Free
Symbol:	LZTR1
Synonyms:	BTBD29; LZTR-1; NS2; NS10; SWNTS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006767, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGACCGGGCAGCACGGGGGGCAGATCGGGGCTGCGGCCCTGGCAGGCGGCGCGGTTCCAAGG
TAGCCCCGAGCGTGGACTTCGACCATAGCTGCTCGGACAGTGTGAGTACCTGACGCTCAACTTCGGGCC
CTTCGAAACAGTGCATCGCTGGCGGCGCCTCCCGCCTGCGACGAGTTCGTGGGTGCCCGGCGCAGCAAG
CACACAGTGGTGGCCTATAAAGATGCCATTTATGTATTTGGTGGAGACAATGGGAAGACCATGCTCAATG
ACCTCCTGCGGTTTCGATGTGAAAGACTGCTCCTGGTGCAGGGCCTTTACCACTGGGACCCCAACGGCCCC
CCGTTACCACCACTCGGCCGTCGCTCTATGGGAGCAGCATGTTTGTCTTTGGGGTTTACACTGGGGACATT
TATTCCAATTCTAACTTGAAGAATAAAAACGACCTCTTTGAATACAAGTTTGCAACTGGCCAGTGGACGG
AGTGAAAATTGAAGGACGGTTGCCAGTCGCTAGGTGAGCCATGGGGCCACGGTGTACAGTGACAAGCT
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GAGCTCACCTGCTGGGAGGAGTGGCCAGAGTGGCGAGATCCCCCATCTTGCTGCAACTTCCCGTGG
CTGTGTCCGGGACAAGATGTTTGTATTCTCTGGGCAAAGCGGAGCCAAAATAACCAACAACCTCTTCCA
GTTTGAATTCAAGGACAAGACGTGGACACGCATCCCAACTGAACACCTGCTCCGGGGCTCCCCACACCC
CCGAGCGGGCTACGGGCATACCATGGTGGCCTTTGACCGCCACCTCTATGTGTTTGGGGTGGCGCCG
ACAACAGCTGCCAACGAGCTGCACTGCTATGACGTGGACTTCCAGACCTGGGAGGTGTCAGCCAG
CTCCGACAGCGAGGTTGGTGGGGCTGAAGTGCCGAGCGAGCCTGTGCTTCCGAGGAGGTGCCACCCCTG
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CCAAGCAGCCACCCAGCCTGCCTCGGAGCTGCCAGTGGGAGGCTTCCACGCGGCTGCTGTATCTC
GGACGCCATGTACATCTTCGGGGCACGGTGGACAACAACATCCGAGCGGGGAGATGTACAGGTTCCAG
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CCGCTGGCTTCGAGGAAGATCACGCAGGCGGGAGAGGCTGGCCAGAAGCTGGAGCAGGAGGCGCC
CCAGTTCAGGAGGCCCCCGGCTGGCTGCTGGTGGGGCCCGCCGCCCTGCTGCACGTGGCCATCC
GGGAGGCCGAGGCCCGCCCTTCGAGGTGCTCATGCAGTTCCTCTACACCGACAAGATCAAATACCCAG
GAAAGGCCATGTGGAGGATGTGCTGCTCATGATGGATGTGTACAACTGGCACTGAGCTTCCAGTTGTGC
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CTTCAACCAGGTGATCATGATGAAGGAGTTCGAGCGCCTCTCCTCCTCACTGATAGTGGAGATTGTGCGG
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ACATGAAGGCATACCTGGAGGGAGCGGGCGGGAATTCTGTGACATCACTCTGTTGCTTGACGGGACCC
ACGGCCAGCCACAAGGCTATCCTGGCCGCCGCTCCAGCTACTTTGAAGCCATGTTCCGGTCTTCATG
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TGCGCTACATCTACTACGGCGAGGTCAACATGCCGCCGAGGACTCGCTCTACTTGTGGCGCCCTA
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GCTGGACATCATAGACTCCCTGGCTCCACATCTCAGACAAGCAGTGCAGAGCTGGGCGCCGACATC
TGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006767 unedited
 NNGGTCATTACACCGCCCCGTTGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGCG
 GCCGGAATTCGGCACGAGGCGGGGCGGTGGCCGCAAGTTGGGCTTACAGCGCGGCCGAT
 CCGGCGTGGACCCGGGATGGCTGGACCGGGCAGCACGGGGGGCAGATCGGGGCTGCGGC
 CCTGGCAGGCGGCGCGCGGTCCAAGGTAGCCCCGAGCGTGGACTTCGACCATAGCTGCTC
 GGACAGTGTGAGTACCTGACGCTCAACTTCGGGCCCTTCGAAACAGTGCATCGTGGCG
 GCGCCTCCCGCCCTGCGACGAGTTCGTGGGTGCCGCGCAGCAAGCACACAGTGGTGGC
 CTATAAGATGCCATTTATGATTTGGTGGAGACAATGGGAAGACCATGCTCAATGACCT
 CCTGCGGTTTCGATGTGAAAGACTGCTCCTGGTGCAGGGCCTTTACCACTGGGACCCACC
 GGCCCCCGTTACCACCACTCGGCCGTCGTCTATGGGAGCAGCATGTTTGTCTTTGGGG
 TTACACTGNGGACATTTATTCCAATTCTAACTGAAGAATAAAAAACGACCTCTTTGAATA
 CAAGTTTGCAACTGGCCAGTGGACGGAGTGAAAATTGAAGGACGGTTGCCAGTCGCTAG
 GTCAGCCCATGGNGCCACGGTGTACAGTGACAAGCTGTGGATCTTTGCTGGCTATGACGG
 NCACGCCAGGTTGAATGACATGTGGACCATTGGCTNCAGNACCGAGAGCTCACCTGCTG
 GGNAGGNAGTGGCCANATGGNCGAGATCCCNCACTTCTGCTGNCACCTCCCGGGCCTGT
 GTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006767 unedited
 NGGCCCATTGGNGATGGCAACTTCCAGGNCCAGNAAAGCACTGGGGNAGGGGTACAGGG
 NATGCCACCCGGNACTGTTGAGGAAACAGCTATGACCGCGCCCAATCTAGAGTCGAG
 TTCAATTTTTTTTTTTTTTTTT
 GGGCAGGGAATTCATTTATTCAAAAAAGCCAAAATCAGGGTTCAGGGACAAGGGCCACC
 AAAAAACAGGGTTGCAAACTGGTTCAAGGAGGCTTCTGGGTAGGCCCTCCAGAAGGGAT
 TTGGAGAAGGCTGCCCTGGGGGTGTGGCAAGACCCACATCTTGGGAAAATGGGAAAATG
 GGTGTGGGGCCCCACTCTGAGGGAATGCACCTGGCCCAATGGCTGGGCCCTGCAACCTG
 AACTCCATTTCCAGGGGTGACAAATCCCCCACCATGGCCCTGGGCCGGCTGGGTCC
 TCACCTAAAGGGCCCCCGGGCTAAACCTTTGCCAAGCTCCGGGTCTCTCCTCCCTGG
 TTCCCAGCTAAACTTGAATAAGCCACTTCCAAACCTGCAGGCTGCCAAAGGGACCCCC
 CTGTAACCTAAACCACATTGCCCACTCAGGCCCCCAAAACCCCTGCTTACACCCAAAGG
 AGAACAGGGCCCTTCCCAAGGGACCTGTGGGCTTCTTGGCAACCCCAACAAAAGGG
 GGTCTGGAAATCCTGTTCCAATAAGGGAACCGCCGCCCCCAACACATAAAGGGGTG
 ATCCACATGGGGCCCTCCCTAAGGCAAAAAAGGGGACCCCCCTTCCCAAGAAACCCAAA
 ACAATATGGAAGGGCAAGGGCCGGCCAAAGAGGCGAGGAACCCNCCCAACCCCCAG
 GGATCCCGGCCGGAAGGGGCAAAACC

Restriction Sites:

NotI-NotI

ACCN:

NM_006767

Insert Size:

4500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_006767.2](#), [NP_006758.2](#)

RefSeq Size: 4332 bp

RefSeq ORF: 4332 bp

Locus ID: 8216

UniProt ID: [Q8N653](#)

Cytogenetics: 22q11.1-q11.2

Domains: BTB, Kelch

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the BTB-kelch superfamily. Initially described as a putative transcriptional regulator based on weak homology to members of the basic leucine zipper-like family, the encoded protein subsequently has been shown to localize exclusively to the Golgi network where it may help stabilize the Gogli complex. Deletion of this gene may be associated with DiGeorge syndrome. [provided by RefSeq, Jul 2008]