

Product datasheet for **SC322532**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322532
 CCGGGATGGCTGGACCGGGCAGCACGGGGGGCAGATCGGGGCTGCGGCCCTGGCAGGCC
 GCGCGCGGTCCAAGGTAGCCCCGAGCGTGGACTTCGACCATAGCTCGGACAGTGTCCG
 AGTACCTGACGCTCAACTTCGGGCCCTTCGAAACAGTGCATCGCTGGCGGCGCCTCCCGC
 CCTGCGACGAGTTCGTGGGTGCCCGGCGCAGCAAACACACAGTGGTGGCCTATAAAGATG
 CCATTTATGTATTTGGTGGAGACAATGGGAAGACCATGCTCAATGACCTCCTGCGGTTCCG
 ATGTGAAAGACTGCTCCTGGTGCAGGGCCTTTACCACTGGGACCCACCGGCCCCCGTT
 ACCACCACTCGGCCGTCGTCTATGGGAGCAGCATGTTTGTCTTTGGGGTTACACTGGGG
 ACATTTATTCCAATTCTAACTTGAAGAATAAAAACGACCTCTTTGAATACAAGTTTGCAA
 CTGGCCAGTGGACGGAGTGGAAAATTGAAGGACGGTTGCCAGTCGCTAGGTGAGCCCATG
 GGGCCACGGTGTACAGTGACAAGCTGTGGATCTTTGCTGGCTATGACGGCAACGCCAGGT
 TGAATGACATGTGACAATTGGCCTCCAGGACCGAGAGCTCACCTGCTGGGAGGAGGTGG
 CCCAGAGTGGCGAGATCCCCCATCTTGCTGCAACTTCCCCGTGGCTGTGTGCCGGGACA
 AGATGTTTGTATTCTCTGGGCAAAGCGGAGCCAAAATAACCAACAACCTCTTCCAGTTTG
 AATTCAAGGACAAGACGTGGACACGCATCCCAACTGAACACCTGCTCCGGGGCTCCCCAC
 CACCCCGCAGCGGGCGTACGGGCATACCATGGTGGCCTTTGACCGCCACCTCTATGTGT
 TTGGGGGTGCGGCCGACAACACGCTGCCAACGAGCTGCACTGCTATGACGTGGACTTCC
 AGACCTGGGAGGTCGTCCAGCCCAGCTCCGACAGCGAGGTTGGTGGGGCTGAAGTGCCCC
 AGCGAGCCTGTGCTTCCGAGGAGGTGCCACCTGACCTATGAGGAGCGGGTTGGCTTCA
 AGAAGTCCCGAGATGTGTTTGGCCTGGACTTTGGCACCACCTCAGCCAAGCAGCCACCC
 AGCCTGCCTCGGAGCTGCCAGTGGGAGGCTCTTCCACGCGGCTGCTGTATCTCGGACG
 CCATGTACATCTTGGGGCAGCGTGGACAACAACATCCGACGCGGGGAGATGTACAGGT
 TCCAGTTCTCCTGTTACCCTAAATGCACGCTGCACGAGGACTACGGGCGGCTGTGGGAGA
 GCCGCCAGTTCTGCGACGTGGAGTTCGTGCTGGGTGAGAAGGAGGAGTGCCTGCAGGGCC
 ACGTAGCCATTGTACAGCGGGAGCCGCTGGCTTCGACAGGAAGATCACGCAGGCGCGGG
 AGAGGCTGGCCCAGAAGCTGGAGCAGGAGGCCGCCAGTTCACAGGGAGCCCCCGGCG
 TGCTGCTGGTGGGGCCGGCCGCCCTGCTGCACGTGGCCATCCGGGAGGCCGAGGCC



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GGCCCTTCGAGGTGCTCATGCAGTTCCTCTACACCGACAAGATCAAATACCCACGGAAAG
 GCCATGTGGAGGATGTGCTGCTCATCATGGATGTGTACAACTGGCACTGAGCTTCCAGT
 TGTGCCGTCTGGAGCAGCTGTGCCGCCAGTACATCGAGGCCTCCGTGGACCTGCAGAACG
 TGCTGGTTGTGTGCGAGAGTGCCGCCCGCTGCAGCTGAGCCAACCAAGGAGCACTGCC
 TGAACCTCGTGGTAAAGGAGTCCCACTTCAACCAGGTGATCATGATGAAGGAGTTCGAGC
 GCCTCTCCTCTCCACTGATAGTGGAGATTGTGCGGCGGAAGCAGCAGCCGCCCTCGCA
 CTCCCTTGGACCAGCCAGTGGACATTGGCACATCTGTGATCCAGGACATGAAGGCATACC
 TGGAGGGAGCGGGCGGAATTCTGTGACATCACTCTGTTGCTTGACGGGCACCCACGGC
 CAGCCCAAGGCTATCCTGGCCCGCTCCAGCTACTTTGAAGCCATGTTCCGGTCTCT
 TCATGCCCCAAGATGGGCAGGTGAACATCTCCATCGGGGAGATGGTGCCAGCAGGCAGG
 CCTTCGAGTCCATGCTGCGCTACATCTACTACGGCGAGGTCAACATGCCGCCGAGGACT
 CGCTCTACTTGTGGCGGCCCTACTACTACGGCTTCTACAACAACCGCTGCAGGCGT
 ACTGCAAGCAGAACCTGGAGATGAACGTGACGGTGCAGAACGTGCTGCAGATCCTGGAGG
 CAGCTGACAAAACGCAGGCACTGGACATGAAGCGGCACTGCCTGCACATCATTGTGCACC
 AGTTACCAAGGTCTCCAAGTTGCCACCCTGCGGTGCTGAGCCAGCAGCTGCTGCTGG
 ACATCATAGACTCCCTGGCCTCCACATCTCAGACAAGCAGTGCCAGAGCTGGGCGCCG
 ACATCTGAGGCCCTGTGGCGCCTGCCATTGTGAAGAATCGCCGTGCTGCTGCCCTGC
 CTAAGAGAAGACTACCGGCTATGCGCATGCCTATGGCAGTGGGTGCACCTGCCAGGCCA
 AGGGTCAGGGTGGCCAGAGCCTCCAAGAGAGCTGAGGGGATGTGGGGCCCAAACCTCAT
 TAATCACTGAAGACACAGGTCCACAGGGAGCGGATGATGAAGCAGACCCCTCCTGTC
 ATCACCCTCTCCTGGTGTAGTGTGGATGCGAGGCCACGGCTCAGTGTGGGCTACCACC
 CAGAAGTGGGAGAGACTTTGGGCTCCACCCAGTGGGCTTGGCCTGGCTTCTGTGGC
 CTGGGCGTGTGGACTCAGGCACTGGGCTGTCAACAAGGCTCCTCAACATGCGGG
 AGGAGGCTTAGCAGACTTGCCTGCACCCAGCGAATCTGCCTGGGTGCTCCTGTCCACC
 CACCCTACTGAGATCCATGTAAGGGGCTCCTTCCACCTGGAACCTGTGAGTGGGA
 CCCATGATGTATGGTCTCACCTGACTTGAAGTGAATTTGGAGTGAAGGGCCCTGAGGT
 CAGCTCCAGGTGCGTGTGGTGGCCAGGCTGGTTTTACAGGGGCTGAAGGATCCCA
 GTCCACCTGTGTGCATGTGAGGCTCGGCCGGGAAGAAGCCAGCAAAGTCCCCGTGTCC
 CTTGCTGAGTATTCTGTACAGACAAGCCTCCATTAAGCCACAGCAGTGTACCCACCA
 CACACACCTTGTGGCCGGCCACCCTGCTGGCTTACGCCCTTGAAGCAGCCATGGCT
 TAGCAGACCCCAAGATGTAGGTCAGTGGCCTTACCTGTCTATCCATGTGTCAACTCC
 TGCTCCACCTGGGGTCAACCAGTCACTTGGGAAGGGCTGTGAAGGCCTCCAGGCTGGC
 CCCTTCCAGGGGAATCCTGGAGGCTGGGGTGGGCTCCTGCCCTTCTGCCCTGCCTTGC
 CCCTGCACTATGCTCTTGGCTCCTGTGGAAGGAGGGCTGCCCTTCTGCCCTAGTGAAGGC
 CCCATGTGGATCCACTCTAGTGTGGGAGCCAGCGCTCCCTTACTGGGAACAGGATTCCA
 GGACCCCTTTCTTGTGTGGTGCATGAAGCCACAGCTCCTTGGGGAAGTGACCTGCTC
 TCCTTTGGGTGTATGCAGGTGTGTGGGGGGCCCTGAGTGGCAAGTTGCTTAGCTAACAGG
 AGATCCATAGGCAGCCTGCAGGCTAGGAAGTGGCTAGTGAAGATGAGCTGGGAACAAG
 GGAGGAGAGAGCAGGAGCTGGGCGAGAGGCTGAGCCGGGAGGCCCTTGAAGTGAAGGAC
 AGCAGGCCAGGACCATGGCTGGGAGGATATGTGAGCACCTGGAAGTGAAGTGCAGGCT
 GCAGCGCCAGCCATGTGGGCCAGTGCATTCACTCAGAGTGGGGCCACACCCATCTA
 CCCAGTTTCCACAAGATGTGGCTCCTGCCACACCACAGGGCAGCCTCCTCCAAATCCCT
 CCTGGAGGGGCTACCCAGAAGCCTCCTGAACCAGTCTGCAACCCTGCTCTATGCTGAC
 CCTTGTCACTGAACCCTGATCTAGACTTATATGAATAAATGAAATTACATGCCAAGGGCC
 CTAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_006767

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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006767.3](#), [NP_006758.2](#)

RefSeq Size: 4332 bp

RefSeq ORF: 2523 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]