

Product datasheet for **RC204432**

LZTR1 (NM_006767) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LZTR1 (NM_006767) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LZTR1
Synonyms:	BTBD29; LZTR-1; NS2; NS10; SWNTS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC204432 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGACCGGGCAGCACGGGGGGCAGATCGGGGCTGCGGCCCTGGCAGGCGGCGCGGGTCCAAGG
 TAGCCCCGAGCGTGGACTTCGACCATAGCTGCTCGGACAGTGTGAGTACCTGACGCTCAACTTCGGGCC
 CTTCGAAACAGTGCATCGCTGGCGGCGCCTCCCGCCTGCGACGAGTTTCGTGGGTGCCGGCGCAGCAAA
 CACACAGTGGTGGCCTATAAAGATGCCATTTATGTATTTGGTGGAGACAATGGGAAGACCATGCTCAATG
 ACCTCCTGCGGTTTCGATGTGAAAGACTGCTCCTGGTGCAGGGCCTTTACCACTGGGACCCACCAGCCCC
 CCGTTACCACCACTCGGCCGTCGTCTATGGGAGCAGCATGTTTGTCTTTGGGGTTACACTGGGGACATT
 TATTCCAATTCTAACTTGAAGAATAAAAACGACCTCTTTGAATACAAGTTTGCAACTGGCCAGTGGACGG
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 GTGGATCTTTGCTGGCTATGACGGCAACGCCAGGTTGAATGACATGTGGACAATTGGCCTCCAGGACCGA
 GAGCTCACCTGCTGGGAGGAGGTGGCCAGAGTGGCGAGATCCCCCATCTTGTGCAACTTCCCGTGG
 CTGTGTGCCGGGACAAGATGTTTGTATTCTCTGGGCAAAGCGGAGCCAAAATAACCAACAACCTCTTCCA
 GTTTGAATTCAAGGACAAGAGCTGGACACGCATCCCAACTGAACACCTGCTCCGGGGCTCCCCACCACC
 CCGCAGCGGCGCTACGGGCATACCATGGTGGCCTTTGACCGCCACCTCTATGTGTTTGGGGGTGCGGCCG
 ACAACACGCTGCCAACGAGCTGCACCTGATGACGTGGACTTCAGACCTGGGAGGTGTCAGCCAG
 CTCCGACAGCGAGGTTGGTGGGGCTGAAGTGCCGAGCGAGCCTGTGCTCCGAGGAGGTGCCACCCTG
 ACCTATGAGGAGCGGGTTGGCTTCAAGAAGTCCGAGATGTGTTGGCCTGGACTTTGGCACCACCTCAG
 CCAAGCAGCCCACCCAGCCTGCCTCGGAGCTGCCAGTGGGAGGCTCTTCCACGCGGCTGCTGCATCTC
 GGACGCCATGTACATCTTCGGGGCACGGTGGACAACAACATCCGACGCGGGGAGATGTACAGTTCCAG
 TTCTCCTGTTACCCTAAATGCACGCTGCACGAGGACTACGGGCGGCTGTGGGAGAGCCGCCAGTTCTGCG
 ACGTGGAGTTCGTGCTGGGTGAGAAGGAGGAGTGCCTGCAGGGCCACGTAGCCATTGTCACAGCGGGAG
 CCGCTGGCTTCGAGGAAGATCACGCAGGCGGGGAGAGGCTGGCCAGAAGCTGGAGCAGGAGGGCCGCC
 CCAGTTCCAGGAGGCCCCCGGCTGGCTGCTGGTGGGGCCGGCCGCCCTGCTGCACGTGGCCATCC
 GGGAGGCCGAGGCCCGCCCTTCGAGGTGCTCATGCAGTTCCTCTACACCGACAAGATCAAATACCCACG
 GAAAGGCCATGTGGAGGATGTGCTGCTCATCATGGATGTGTACAACTGGCACTGAGCTTCCAGTTGTGC
 CGTCTGGAGCAGCTGTGCCGCCAGTACATCGAGGCTCCGTGGACCTGCAGAACGTGCTGGTTGTGTGCG
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 ACGGCCAGCCACAAGGCTATCCTGGCCGCCGCTCCAGCTACTTTGAAGCCATGTTCCGGTCTTCATG
 CCCGAAGATGGCAGGTGAACATCTCCATCGGGGAGATGGTGGCCAGCAGGACGCTTCGAGTCCATGC
 TGCCTACATCTACTACGGCGAGGTCAACATGCCGCCGAGGACTCGCTCTACTTGTTCGGGCCCCCTA
 CTACTACGGCTTCTACAACAACCGGCTGCAGGCGTACTGCAAGCAGAACCTGGAGATGAACGTGACGGTG
 CAGAACGTGCTGAGATCCTGGAGGCACTGACAAAACGCAAGGCACTGGACATGAAGCGGCACTGCCTGC
 ACATCATTGTGCCACAGTTCACCAAGGTCTCAAGTTGCCACCCTGCGGTGCTGAGCCAGCAGTGTCT
 GCTGGACATCATAGACTCCCTGGCTCCACATCTCAGACAAGCAGTGGCAGAGCTGGGCGCCGACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204432 protein sequence
Red=Cloning site Green=Tags(s)

MAGPGSTGGQIGAAALAGGARSKVAPSVDFDHSCSDSVEYLTLNFGPFETVHRWRRLPPCDEFVGGARRSK
HTVVAYKDAIYVFGDNGKTMNDLLRFDVKDCSWCRAFTTGTTPAPRYHHSVVYSSMFVGGYTGDI
YSNSNLKNKNDLFEYKFATGQTEWKIEGRLPVARSAHGATVYSDKLWIFAGYDGNARLNDMWTIGLQDR
ELTCWEEVAQSGEIPPSCCNFPVAVCRDKMFVFSGQSGAKITNNLFQFEFKDKTWTRIPTEHLLRGSPPP
PQRRYGHMTMAFDRHLYVFGGAADNLPNELHCYDVFQTWEVVPSSDSEVGGAEVPERACASEEVPTL
TYEERVGFKKS RDVFGLDGFTTSAKQPTQPASELPSGRLFHAAAVISDAMYIFGGTVDNNIRSGEMYRFQ
FSCYPKCTLHEDYGR LWESRQFCDFEVLGEKEECVQGHVAIVTARSRWLRRKITQARERLAQKLEQAAA
PVPREAPGVAAGGARPLLHVAIREAEARPFVLMQFLYTDKIKYPRKGVHEDVLLIMDVYKLALSFQLC
RLEQLCRQYIEASVDLQNVLVVCEAARLQLSQLKEHCLNFVVKESHFNQVIMMKEFERLSSPLIVEIVR
RKQPPPRTPLDQPV DIGTSLIQDMKAYLEGAGAEFCDITLLLDGHPRPAHKAILAARSSYFEAMFRSFM
PEDGQVNISIGEMVPSRQAFESMLRYIYYGEVNMPPEDSLYLF AAPYYYGFYNNRLQAYCKQNLMMNVTV
QNVLQILEAADKTQALDMKRHCLHIIVHQFTKVS KLPTLRSLSQQLLLDIIDSLASHISDKQCAELGADI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6695_e09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_006767

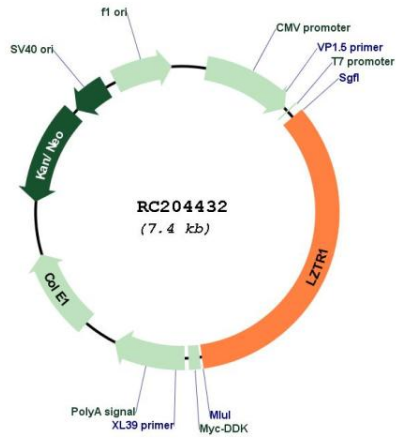
ORF Size: 2520 bp

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.

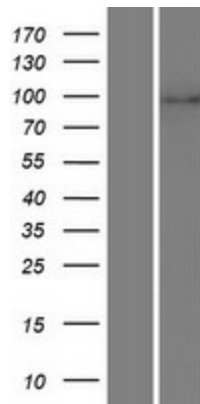
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in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

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_006767.4
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
MW:	94.7 kDa
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]

Product images:



Circular map for RC204432



Western blot validation of overexpression lysate (Cat# [LY416434]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204432 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).