

Product datasheet for **SC305446**

LZTS2 (NM_032429) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | LZTS2 (NM_032429) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LZTS2 |
| Synonyms: | LAPSER1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_032429 edited
 CTGGAGCCGAGGCGCAGGTGGCGCTGGGTTGCCTGCGAGGCCGCTGGCCAGGCCTGAGCC
 TCTGCCACCATGGCCATTGTGCAGACTCTGCCAGTGCCACTGGAGCCTGCTCCTGAAGCT
 GCCACTGCCCCACAAGCTCCAGTCATGGGTAGTGTGAGCAGCCTATCTCAGGCCGGCC
 TGTCCCGGGGGCCAGCTCCTCCCGCCACCACGGCCCTCTGGGCCACCTTCTCCGC
 CAGCAGGATGGCTGTACGGGTGGCTATGAGGCACAGGAGCCGCTGTGCCAGCTGTG
 CCCCCTAGGAAGGCTGTCCCTGTACCAGCTTACCTACATCAATGAGGACTTCCGGACA
 GAGTCACCCCCCAGCCCAAGCAGTGATGTTGAGGATGCCCGAGAGCAGCGGGCACACAAT
 GCCCACCTCCGCGGCCACCACCAAGCTCATCCCTGTCTCTGGAAGCTGGAGAAGAAC
 ATGGAGAAGATCCTGATCCGCCAACAGCCTTCAAGCCAGTGCTGCCAACCTCGAGGG
 GCTCCGTCCTGCCTAGCTTTCATGGGTCCTCGGGCCACCGGGCTGTCTGGGAGCCAGGGC
 AGCCTGACGCAGCTGTTGGGGCCCTGCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCA
 GCTGTGACAAACCCTGGCATTAGTGGCTGGGCCAGTGGTGCCCATCAGGGACGCTA
 TCCGACTCTGGCGAAACTCACTGTCCAGCCTGCCACCTACAGCACGGAGGTGCCGAG
 CCAACCACAGCTCCCCAGGCGGGCACCTGCCTTCCCATGGCTCTGGGCGAGGGGACTG
 CCTGGGCCAGCCGAGGGTCCCTACTGGGCCCTCCCCTCAGACAGTGGCCGGTCTCC
 TCCAGCAAGAGCACAGGCTCCCTAGGGGGCCGTGTGGCTGGGGGGCTTTTGGGCAGTGGT
 ACTCGGGCCTCCCTGACAGCAGCTCCTGTGGGGAGCGCTCACCACCACCCCGCCTCCA
 CCTCCTTCGGATGAGGCCCTGCTGCACTGTGCTCCTGGAAGGAAAGCTCCGAGACCGGGAG
 GCAGAGCTTACAGAGCTGCGGGACAGTCTGGACGAGAATGAGGCTACCATGTGCCAGGCA
 TACGAGGAGCGGCAGCGGCACTGGCAGCGAGAGCGTGAGGCCCTGCGAGAGGACTGTGCG
 GCCCAGGCACAGCGGGCACAGCGGGCCCAACAGCTGCTGCAGCTGCAGGTGTTCCAGCTG
 CAGCAGGAGAAGCGGCAATTGCAGGACGACTTCGCACAGCTGCTGCAGGAGCGCAACAG
 CTGGAGCGGGCTGCGCCACCTTGGAGCGGGAGCAGCGGGAGCTCGGGCCGAGGCTTGAG
 GAGACCAAGTGGGAGGTGTGCCAGAAATCAGGCGAGATCTCCCTGCTGAAAGCAGCAGCTG
 AAAGAGTCTCAGGCAGAGCTGGTGCAGAAGGGCAGCGAGCTGGTGGCTCTGCGGGTGGCG
 CTGCGGGAGGCCCGTGTACGCTGCGGGTCACTGAGGGCCGTGCGCGGGTCTACAGGAG
 GCCGCCGAGCTCGGGAGCTGGAGCTGGAAGCCTGTTCCAGGAGCTGCAGCGACACCGC
 CAGGAAGCTGAGCAGCTGCGGGAGAAAGCTGGCAGTTGGATGCTGAGGCGGCCGACTC
 CGGGAGCCCCCTGTGCCACCTGCCACCGCTGACCCATTCTCCTGGCAGAGAGTGATGAG
 GCCAAAGTGCAGCGGGCAGCAGCCGGGGTGGGGGCAGCTTGCGGGCCAGGTGGAGCGA
 TTGCGGGTGGAGCTGCAGCGGGAGCGGGCGGGTGGAGAGCAGCGGGACAGCTTTGAG
 GGGGAGCGGCTGGCCTGGCAGGCAGAGAAGGAGCAGGTGATCCGCTACCAGAAGCAGCTG
 CAGCAACTACATCCAGATGTACCGGGCAACCGGCAGCTAGAGCAGGAGCTGCAGCAG
 CTCAGCCTGGAGCTGGAGGCCCGGGAGCTCGCTGACCTGGGCCTGGCCGAGCAGGCCCCC
 TGCATCTGCCTGGAGGAGATCACTGCTACTGAGATCTAGGGCCCTCAGCAACCAGCTCTG
 TAGGGAGCTCTGCCAGAGGGGCAGCAGCTGCAGATCCACTTAGGGCCAGGGTCCACGGA
 TGGCCCCAAAGGCTGAGGGCCCCAAAGCCACTTGTCTCCTAGGATCCAGGCCCTGGGCT
 TCTGCCAAGAACTCAGGGTGGCCCTATGACTTGGAGGAGCAAGATCAGACCGCTCAAAGG
 TCCCCGTGTTCACTGTTACCCAGAGGCTCTTGTACTACCCACTTATTCCCCACCGCTG
 CAGTGCCACTGCCAACCTGTTACAGGCGCTTCCAGCCACTCCAGCCAGGGGAGCAG
 GGAAGAAGAAGGGGCTCCCTCCTTTCACATTCCCCCGACCCCAAGCCAGAGAAGGCC
 AGATGGCACACAGCTGCTCCGGATGTGCCTGCCACATTGGGGGACAGGGCCGGGCTGGG
 CTCGGTCCCAGGTTTGGAGCTCTGCAGCCTCTCCTGGAGTGAGGGGGCTGAAGTCAGA
 CCAAAGGAAGAACTCAGAAATGTCTTGTATTTGTTGTTGTGACCAAGCAGCCTCTCCC
 TTCACCCAGGTTTATGGCCTCGTTTTCACTTGTATATTTTACACTGTAATTTCTTGT
 ACAAAACCAAGAAAAAATTAATAAAAAATTTTTTGTAAAAAATAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_032429
Insert Size: 2700 bp

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| 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). |
| OTI Annotation: | The ORF of this clone has been fully sequenced and found to be a perfect match to NM_032429.1. |
| 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: | <u>NM_032429.1, NP_115805.1</u> |
| RefSeq Size: | 2757 bp |
| RefSeq ORF: | 2010 bp |
| Locus ID: | 84445 |
| UniProt ID: | <u>Q9BRK4</u> |
| Cytogenetics: | 10q24.31 |
| Protein Families: | Druggable Genome |
| Gene Summary: | <p>The protein encoded by this gene belongs to the leucine zipper tumor suppressor family of proteins, which function in transcription regulation and cell cycle control. This family member can repress beta-catenin-mediated transcriptional activation and is a negative regulator of the Wnt signaling pathway. It negatively regulates microtubule severing at centrosomes, and is necessary for central spindle formation and cytokinesis completion. It is implicated in cancer, where it may inhibit cell proliferation and decrease susceptibility to tumor development. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1, 2 and 3 all encode isoform a.</p> |