

Product datasheet for **RN210814**

Lzts2 (NM_001014247) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts2 (NM_001014247) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lzts2
Synonyms:	Lapser1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210814 representing NM_001014247
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATTGTGCACACTCTGCCAGTGCCACTGGAGCCCGCACGTGAGACAGCCACTGCCCCACAAACTC
 CAGCAATGGGCAGCGTGAGCAGTCTTATCTCAGGCCGGCCCTGTCTGGGGGACCTGCTCCTCAACGCCA
 CCATGGTGTCCCTGGGCCTACCTTCTTCCGCCAGCAGGATGGGCTGCTCCGGGGTGGCTATGAGGCCAG
 GAACCACTCTGCCAGCTGTGCCACCCAGGAAGACTGTCCAGGCAACAGCTTTACCTATGTCAATGAGG
 ACTTCCGGACAGAGTCACCTCCCAGCCCAAGCAGTGATGTGCAAGATCCCCGAGAACATCAGGCACACAA
 TGCCCACTCCGTGGGCCCCACCAAAGCTCATCCCTGTCTCTGGAAGGCTGGAGAAGAATATGGAGAAG
 ATCCTGATCCGACCAACAGCCTCAAGCCAGTGTACCCAAACCTCGAGGGGGCCATCCCTACCTGGCT
 TCCTTGGTCTCGAGCTGCTGGGCTATCTGGGAGCCAGGGCAGCCTGACACAGCTGTTTGGGGGGCCAGC
 CTCTTCTCTCTCTTCTCTCTCTCTCTGCTACTGACAAACCCTTGGCACTCAGCGGTTGGGCCAGT
 GGCTGCCCTTCAGGAACACTGTCAGACTCTGGCCGAAATTCCTTATCAAGCTTGCCACCTACAGCACCC
 GAGGTGCCGAGCCAACCTGCCAACTCCCCAGGTGGGCACCTGCCCTCCACGGCCCTGGCCGAGGGCCACT
 GCCTGGTCCAGCCGAGGGGTCCCTACTGGGCCCTCCCATTAGACAGTGGCCGGTCTCTCTCCAGCAAA
 AGCACAGGTTCTTGGGGCTCGTGTAGCTGGGGGCTCTGGGCAGTGGGGCCCGGGCCTCCCCTGGCA
 GCAGTTCGGGTGGAGACCGCTCCCCACCCCTCCACCCTCCACCCCTTCGGATGAGGCTTGTCTACA
 CTGTGTCTGGAAGGGAAGCTTCGAGACCGAGAGGCAGAGCTGCAGCAGCTGCGGGACAGTGTGGATGAG
 AGTGAGGCCCGCTGTGTGAGCATTGGGGCACGGCAGCGCGCTGGCCAGGAGAACGAGAGGACTGTG
 CCTCTCACGCACAGCAGGCCACACAGCGTGTCCAGCGGGCTCAACAGCTGCTACAAGTGTTCCTCA
 GCTGCAGCAAGAGAAGCGCCAGTTGCAGGATGACTTCGCCAGCTGCTGCAGGAGCGAGAGCAGCTGGAG
 CGCCGCTGTGCTACTTTTGAAGGGAGCAGCAGAACTTGGGCCACGGCTAGAGGAGACCAATGGGAGG
 TGTGTCAGAAATCAGGTGAGATCTCCCTTCTGAAGCAGCAACTGAAGGAATCTCAGGCAGAGCTGGTCCA
 GAAGGGTGTGAGCTGGTGGCGTGCAGGTTGGCCCTTCGAGAGGCCCGGGCTGCCTTGGGGTCAAGTGA
 GGCCGTGCCCGGGCCTGCAGGAGGCAGCCGAGCTCGGGAGCTGGAGCTGGAGGCTGCTCACAGGAGC
 TACAGCGTACCAGCAGGAGGCTGAGCAGCTCCGGGAGAAGGCTAGGCATTTGGATGCTGAAGCAGCAGG
 ACTCCGGGAGCCCTGTACCCCGGCTACCACCGACCCGTTCTCTGGCGGAGAGTGTGAGGCTAAG
 GTGCAGCGGGCAGCCGCTGGGACAGGGGTAGCCTGCGGGCTCAGGTGGAACGGTTGCGCCAAGAAGTGC
 AGCGGGAGCAGCGCGGGGAGATGAACAACGGAACAGCTTTGAGGGGAGCGGCTGGCCTGGCAGGCGGA
 GAAGGAACAGGTGATCCGCTACCAGAAGCAGCTGCAGCACAACATATGTCCAGATGTACCGCGTAACCGA
 CAGCTGGAGCAGGAAGTGCAGCAACTGAGCCTAGAGCTGGAGGCCGGGAGCTTGTCTGATTTGGGCTGT
 CGGAGCCGGCCCTTGCATCTGTCTGGAGGAGATCACTGCCACTGAAATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001014247
- Insert Size:** 2013 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).

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_001014247.2](#), [NP_001014269.2](#)

RefSeq Size: 2660 bp

RefSeq ORF: 2013 bp

Locus ID: 365468

UniProt ID: [Q3LUD4](#)

Cytogenetics: 1q54

Gene Summary: Negative regulator of katanin-mediated microtubule severing and release from the centrosome. Required for central spindle formation and the completion of cytokinesis. May negatively regulate axonal outgrowth by preventing the formation of microtubule bundles that are necessary for transport within the elongating axon. Negative regulator of the Wnt signaling pathway. Represses beta-catenin-mediated transcriptional activation by promoting the nuclear exclusion of beta-catenin.[UniProtKB/Swiss-Prot Function]