

Product datasheet for **MC220370**

Lzts2 (NM_001130525) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts2 (NM_001130525) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lzts2
Synonyms:	BC014695; LAPSER1; mKIAA1813
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220370 representing NM_001130525
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATTGTGCACACTCTGCCAGTGCCTCTGGAGCCCGCACGTGAGACAGCCACTGCCCCAAAACCTC
 CAGCAATGGGCAGCGTGAGCAGTCTTATCTCAGGCCGGCCCTGCCCGGGGGACCTGCTCCTCAACGACA
 TCATGGTGTCCCTGGGCCACCTTCTTCCGCCAGCAGGATGGGCTGTACCGGGTGGCTACGAGGCACAG
 GAACCGCTCTGCCCGGTGTGCCACCGAGGAAGGCTGTCCAGGCAATAGCTTTACCTATGTCAATGAGG
 ACTTCCGGACAGAGTCTCCTCCAGCCCCAGCAGTGATGTTGAAGATCCCCGGGAACATCAGGCACACAA
 TGCCACCTCCGTGGGCCCCACAAAGCTCATCCCTGTCTCTGGAAAGCTGGAGAAGAATATGGAGAAG
 ATCCTGATCCGGCCAACAGCCTCAAGCCAGTGTACCCAAACCTCGGGGGCGCCATCCCTACCCGGCT
 TCCTTGGTCTCGAGTGTGGGCTATCTGGGAGCCAGGGCAGCCTGACACAGCTGTTTGGGGGGCCAGC
 CTCTTCTCCTCTTCTCTTCTCTCTCTGCTGCTGACAAACCCTTGGCACTGAGTGGTTGGGCCAGT
 GGCTGCCCTTCAGGAACGCTGTACAGACTCTGGCCGAAATCTTTATCCAGCTTGCCACCTACAGCACTG
 GAGGTGCCGAGCCAACCACCAACTCCCCAGGTGGGCACCTGCCCTCCACGGCCCTGGCCGAGGGGCACT
 GCCTGGTCCAGCCGAGGGGTCCCTACTGGGCCCTCCCATTAGACAGTGGCCGGTCTCCTCCAGCAAA
 AGCACGGGCTCCTTGGGGGTCTGTAGCTGGGGGCTCTTGGGCAGTGGTGCCTGGCCCTCCCCTGGCA
 GCAGTTCTGGTGGAGACCGCTCTCCACCCCTCCACCCTCCACCCCTTCGGATGAGGCTTGTCTACA
 CTGTGTCTGGAAGGGAAGCTCAGAGACCGCAGGCAGAGCTGCAGCAGCTGCGGGACAGTATGGATGAG
 AGTGAGGCCACAGTGTGTAGGCATTGGGGCACGGCAGCGCGCTGGCCACGGGAGCGAGGGGAGGACT
 GTGCAGCCAGGGCAGCAGGCCACGCAGCGCTCCAGCGGGCCCAACAGCTGCTGCAGTGCAGTGTT
 CCAGTGCAGCAAGAGAAGCGCCAGTTGCAGGATGACTTTGCCAGCTGCTACAGGAGCGGGAACAGCTG
 GAGCGCCGCTGTGCCACTTTTGAACGGGAGCAGCGGAACTCGGGCCACGGCTGGAGGAGACCAATGGG
 AGGTGTGTGAGAAATCAGGTGAGATCTCCTGTGTAAGCAGCAACTGAAGGAATCTCAGGCAGAGCTGGT
 CCAGAAGGGCAGTGTGGTGGCGCTGCGGGTGGCCCTCCGTGAGGCCCGGGCCACCTTGGGGTCACT
 GAGGGCCGTGCCAGGGCCTGCAGGAGGCAGCCGAGCTCGGGAGCAGGAGCTGGAGGCCTGCTCGCAGG
 AGCTTCAGCGGTACCGCCAGGAGGCTGAGCGGCTCCGGGAGAAGGCCGGGATTTGGATGCCGAAGCATC
 GGGACTCCGGATCCCCCTGTACCCCTGCCACCACCGACCCGTTCTCCTGGCAGAGAGTGTAGGGCC
 AAGGTGCAGCGGGCAGCGCTGGGGCAGGGGTAGCCTGCGGGCTCAGGTGGAACGGCTGCCCAAGAAC
 TGACGCGGGAGCAGCGGGCAGGGGACGAGCAACCGGGACAGCTTTGAGGGGAGCGGCTGGCTGGCAGGC
 AGAGAAGGAACAGGTGATCCGCTACCAGAAGCAGCTGCAGCACAATATATCCAGATGTACCGGCGTAAC
 CGGCAGCTGGAGCAGAACTGCAGCAACTGAGCCTGGAGCTGGAGGCCCGCAGCTTGGGATTTGGGCC
 TGGCGGAGTGGCCCTTGCATCTGTCTGGAGGAGTCACTGCCACTGAGATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001130525
- Insert Size:** 2016 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_001130525.1](#), [NP_001123997.1](#)

RefSeq Size: 2781 bp

RefSeq ORF: 2016 bp

Locus ID: 226154

UniProt ID: [Q91YU6](#)

Cytogenetics: 19 C3

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]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1.