

## Product datasheet for **MC220371**

### Lzts2 (NM\_145503) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts2 (NM_145503) 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:** >MC220371 representing NM\_145503  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCATTGTGCACACTCTGCCAGTGCCTCTGGAGCCCGCACGTGAGACAGCCACTGCCCCAAAACCTC  
 CAGCAATGGGCAGCGTGAGCAGTCTTATCTCAGGCCGGCCCTGCCCGGGGGACCTGCTCCTCAACGACA  
 TCATGGTGTCCCTGGGCCACCTTCTTCCGCCAGCAGGATGGGCTGTACCGGGTGGCTACGAGGCACAG  
 GAACCGCTCTGCCCGGTGTGCCACCGAGGAAGGCTGTCCAGGCAATAGCTTTACCTATGTCAATGAGG  
 ACTTCCGGACAGAGTCTCCTCCAGCCCCAGCAGTGATGTTGAAGATCCCCGGGAACATCAGGCACACAA  
 TGCCACCTCCGTGGGCCCCACCAAAGCTCATCCCTGTCTCTGGAAAGCTGGAGAAGAATATGGAGAAG  
 ATCCTGATCCGGCCAACAGCCTCAAGCCAGTGTACCCAAACCTCGGGGGCGCCATCCCTACCCGGCT  
 TCCTTGGTCTCGAGTGTGGCTATCTGGGAGCCAGGCAGCCTGACACAGCTGTTTGGGGGGCCAGC  
 CTCTTCTCTCTCTTCTCTCTCTCTCTGCTGCTGACAAACCCTTGGCACTGAGTGGTTGGGCCAGT  
 GGCTGCCCTTCAGGAACGCTGTACAGACTCTGGCCGAAATCTTTATCCAGCTTGGCCACCTACAGCACTG  
 GAGGTGCCGAGCCAACCACTCCCAAGGTGGGCACCTGCCCTCCACGGCCCTGGCCGAGGGGCACT  
 GCCTGGTCCAGCCGAGGGGTCCCTACTGGGCCCTCCATTAGACAGTGGCCGGTCTCTCCAGCAAA  
 AGCACGGGCTCCTTGGGGGTCTGTAGCTGGGGGCTCTGGGCAGTGGTGCCTGGGCTCCCTGGCA  
 GCAGTTCTGGTGGAGACCGCTCTCCACCCCTCCACCCTCCACCCCTTCGGATGAGGCTTGTCTACA  
 CTGTGCTCTGGAAGGGAAGCTCAGAGCCGCGAGGCAGAGCTGCAGCAGCTGCGGGACAGTATGGATGAG  
 AGTGAGGCCACAGTGTGTGAGCATTGGGGCACGGCAGCGCGCTGGCCACGGGAGCGAGGGGAGGACT  
 GTGCAGCCAGGGCAGCAGGCCACGCAGCGCTCCAGCGGGCCCAACAGCTGCTGCAGTGCAGTGTT  
 CCAGTGCAGCAAGAGAAGCGCCAGTTGCAGGATGACTTTGCCAGCTGCTACAGGAGCGGGAACAGCTG  
 GAGCGCCGCTGTGCCACTTTTGAACGGGAGCAGCGGAACTCGGGCCACGGCTGGAGGAGACCAATGGG  
 AGGTGTGTGAGAAATCAGGTGAGATCTCCCTGCTGAAGCAGCAACTGAAGGAATCTCAGGCAGAGCTGGT  
 CCAGAAGGGCAGTGTGCTGGTGGCGCTGCGGGTGGCCCTCCGTGAGGCCCGGGCCACCTTGGGGTCACT  
 GAGGGCCGTGCCAGGGCTGCAGGAGGCAGCCGAGCTCGGGAGCAGGAGCTGGAGGCTGCTCGCAGG  
 AGCTTCAGCGGTACCGCCAGGAGCTGAGCGGCTCCGGGAGAAGGCCGGGCTTTGGATGCCGAAGCATC  
 GGGACTCCGGATCCCCCTGTACCCCTGCCACCACCGACCCGTCTCTCTGCGCAGAGTGTGAGGCC  
 AAGGTGCAGCGGGCAGCGCTGGGGCAGGGGTAGCCTCGGGCTCAGGTGGAACGGCTGCCCAAGAAC  
 TGACAGCGGGAGCAGCGGGCAGGGGACGAGCAACGGGACAGCTTTGAGGGGAGCGGCTGGCTGGCAGGC  
 AGAGAAGGAACAGGTGATCCGCTACCAGAAGCAGCTGCAGCACAATATATCCAGATGTACCGGCGTAAAC  
 CGGCAGCTGGAGCAGAACTGCAGCAACTGAGCCTGGAGCTGGAGGCCCGGAGCTTGGGATTTGGGCC  
 TGGCGGAGTGGCCCTTGCATCTGTCTGGAGGAGTCACTGCCACTGAGAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145503
- 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\\_145503.2](#), [NP\\_663478.2](#)

**RefSeq Size:** 2825 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 (1) represents the longest transcript.