

## Product datasheet for **MC228385**

### Lzts3 (NM\_001291028) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts3 (NM_001291028) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lzts3
Synonyms:	Prosapip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228385 representing NM\_001291028  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCCCTGCAGACCTGGCCTCGGAGGGTCCCAAGCTTGAGGACCCGCCGCCCCACCTCTTTGGAA  
 AGTGCCCTTCTGGCTTAATCATGGCGAAGCTGGAGACGTTACCTGTGCGCGCTGATCCAGGGAGGGATCC  
 TCTCCTGGCCTTTGCCCCCGGCCCTTCTGAGCTTGACCCCCAGATCCCCGCCTGACTATGGGCAGTTGC  
 TCGGAGCCACTAGTTCGGCCATCAGCCTTCAAGCCTGTTGTACCAAGAAGCTTTCATTCCATGCAGAACT  
 TGTGTCTCCACAGACCAATGGGACCCCTGAGGGACGACAGGGCCCCGCCGGCCTCAAAGCGGACTGGA  
 CAAGTCTCGGACCATGACCCAGCTGGTGGGAGTGGGGCGGCCCTCAGACTCAGGCCGGAAGCTCACTC  
 ACAAGCTTGCCACCTATAGCTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATA  
 TCAACCGTATTGGCACCGCTGGCTATAGTAGTGGCAGCAGCGGTGGGGGTGAGGCTACCAGGATCTGGG  
 GACCTCTGACAGTGGGCGGGCTTCCAGTAAGAGTGGGTGTCATCATCCATGGGGCGGTGAGGCCACCTG  
 GGATCCGGGGAGGGCGGAAATGGGGCCTGCCATTTGCAGCCTGTTACCCACCCTCGCCAGTGCCTGA  
 TCCAGGAGCTGGAGGAGCGGCTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTGCGGCGCAGCCTGGAGCA  
 GAGCGAGGCAGCCGTGGCCAGGTGTTGGAGGAGCGGCAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTC  
 CGGCAGGGCTGCAGTGGGAAGCTGCAGCAGGTGGCCCGCCGTGCCAGCGTGGCCAGCAGGGCCTACAGC  
 TGCAGGTGCTGCGGTTACAGCAGGACAAGAAACAGCTGCAGGAGGAGGGCGCCAGCTGATAAGGCAACG  
 GGAAGAGCTGGAGGACAAGGTGGCCGTCTGTGAGAAGGAGCAGGCCGACTTCTGCCCGGATGGAGGAA  
 ACTAAGTGGGAGGTGTGCCAGAAGGCCGGTGAGATTTCCCTCCTGAAGCAACAAGTGAAGGACTCAGG  
 CCGATGTGTCGAGAAGTTGAGTGAGATCGTGGGGTGCCTCACAGCTTCGGGAGGGTAGGGCCTCGCT  
 CCGGGAGAAGGAGGAGCAGCTGCTCAGCTTGGGGACTCCTTCGGCAGCAAAACAGGCCAGCCTGGAGCTG  
 AGTGAAGGCGAGCTGCCCTGCCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTTCGAGCCACAGG  
 AGGCGCTGGCCTCCTGTGAGAGTGACGAGGCCAAGATGCGCCGGCAGGCTGGCGTGGCGGCTGCCCTTC  
 TCTGTTTCTGTTGATGGGGAGGTGGAGGCTGGAGGAGAGGGTGGGACACGGGCCCTACGAGGGAGGTG  
 GGGAGATTGCAGGCTGAGCTGGCTGCTGAGCGGCTGCCCGTGGAGCGCCAGGGTCCAGCTTTGCGGAGG  
 AGCGCCGGGTGTGTTGGAGGAGAAGGAGAAGGTCAATTGAGTATCAGAAACAGCTCCAGCTGAGTTATGT  
 GGAGATGTATCAGCGCAACCAGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTCCAGC  
 ACGCCTACTCCCAGCATGGAGAGGAAAAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCA  
 CTGAAATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001291028
- Insert Size:** 1761 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001291028.1](#), [NP\\_001277957.1](#)

**RefSeq Size:** 3977 bp

**RefSeq ORF:** 1761 bp

**Locus ID:** 241638

**UniProt ID:** [A2AHG0](#)

**Cytogenetics:** 2 F1

**Gene Summary:** May be involved in promoting the maturation of dendritic spines, probably via regulating SIPA1L1 levels at the postsynaptic density of synapses.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a.