

## Product datasheet for **MC228648**

### Lzts3 (NM\_001291027) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts3 (NM_001291027) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lzts3
Synonyms:	Prosapip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228648 representing NM\_001291027  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCCCTGCAGACCTGGCCTCGGAGGGTCCCAAGCTTGAGGACCCGCCGCCCCACCTCTTTGGAA  
 AGTGCCCTTCTGGCTTAATCATGGCGAAGCTGGAGACGTTACCTGTGCGCGCTGATCCAGGGAGGGATCC  
 TCTCTGGCCTTTGCCCCCGGCCCTTCTGAGCTTGACCCCCAGATCCCCGCCTGACTATGGGCAGTGTG  
 GGTAGTGGGGTGACCCATGCTCAGGAGTTTCTATGAAAAGCGTGGGCACTCGAACAGGGGGTGGGGCA  
 ACCAAGGCAGTTTCCCTGGTCCAAGAAGCGGTGGTAGCGGGCCAAACAGGGAGAGACCTGGTCGCTACCC  
 ATCAGAGGACAAGGTTCTCGCCAACTCTCTACCTCAATGGCGAGCTGCGGGCAGTGACCACACAGAT  
 GTCTGTGGTAATGTGGTGGGCAGCAGTGGGGCAGCAGCAGCAGTGGGGCAGCGACAAGGCTCCACCCC  
 AGTATCGCGAACCAATCACCCACCAAGCTCCTGACCACCTCTGGCAAGCTAGACCAGTCTCGGAGCC  
 ACTAGTTCGGCCATCAGCCTTCAAGCCTGTTGTACCCAAGAACTTTCATTCCATGCAGAACTTGTGTCT  
 CCACAGACCAATGGGACCCCTGAGGGACGACAGGGCCCCGCGGGCTCAAAGGCGGACTGGACAAGTCTC  
 GGACCATGACCCAGCTGGTGGGAGTGGGGCGGCCCTCTCAGACTCAGGCCGGAACCTCACTCACAAAGCTT  
 GCCCACCTATAGCTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATATCAACCGT  
 ATTGGCACCGTGGCTATAGTAGTGGCAGCAGCGGTGGGGGTGACGGCTACCAGGATCTGGGGACCTCTG  
 ACAGTGGGCGGGCTTCCAGTAAGAGTGGGTGTCATCATCCATGGGGCGGTGAGGCCACCTGGGATCCGG  
 GGAGGGCGGAAATGGGGCCTGCCATTTGACGCTGTTACCACCTCGCCAGTGGCTGATCCAGGAG  
 CTGGAGGAGCGGCTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTCGGCGCAGCCTGGAGCAGAGCGAGG  
 CAGCCGTGGCCAGGTGTTGGAGGAGCGCAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTCCGGCAGGG  
 CTGCAGTGGGAAGCTGCAGCAGGTGCCCCCGCTGCCAGCGTGCCAGCAGGGCCACAGCTGCAGGTG  
 CTGCGGTTACAGCAGGACAAGAAACAGCTGCAGGAGGAGCGGCCAGCTGATAAGGCAACGGAAGAGC  
 TGGAGGACAAGGTGTGCCAGAAGGCCGGTGGATTTCCCTCCTGAAGCAACAAGTGAAGGACTCTCAGGC  
 CGATGTGTCGAGAAGTTGAGTGAGATCGTGGGGTGGCTCACAGCTTCCGGAGGGTAGGGCTCGCTC  
 CGGGAGAAGGAGGAGCAGCTGCTCAGCTTGGGGACTCCTTCGGCAGCAAAACAGGCCAGCCTGGAGCTGA  
 GTGAAGGCGAGCTGCCCCCTGCCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTGGAGCCACAGGA  
 GGCCTGGCTCCTGTGAGAGTGACGAGGCCAAGATGCGCCGCGAGGCTGGCGTGGCGGCTGCCCTTCT  
 CTGGTTTCTGTTGATGGGAGGTGGAGGCTGGAGGAGAGGGTGGGACACGGGCCCTACCGAGGGAGTGG  
 GGAGATTGCAGGCTGAGCTGGCTGCTGAGCGGCTGCCCGTGGAGCCAGGGTGCAGCTTTGCGGAGGA  
 GCGCCGGTGTGGTTGGAGGAGAAGGAGAAGGTCATTGAGTATCAGAAACAGCTCCAGCTGAGTTATGTG  
 GAGATGTATCAGCGCAACCAGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTCCAGCA  
 CGCCTACTCCCCAGCATGGAGAGGAAAAGAAAGCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCAC  
 TGAATC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001291027

**Insert Size:** 2040 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001291027.1, NP_001277956.1</u>
<b>RefSeq Size:</b>	4256 bp
<b>RefSeq ORF:</b>	2040 bp
<b>Locus ID:</b>	241638
<b>UniProt ID:</b>	<u>A2AHG0</u>
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.