

Product datasheet for **MR230596**

Lzts3 (NM_001291028) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230596 representing NM_001291028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCCCCTGCAGACCTGGCCTCGGAGGTCCTCAAGCTTGAGGACCCCGCGCCCCACCTCTTTGGAA
 AGTGCCCTTCTGGCTTAATCATGGCGAAGCTGGAGACGTTACCTGTGCGCGCTGATCCAGGGAGGGATCC
 TCTCCTGGCCTTTGCCCGCCGCTTCTGAGCTTGACCCCCAGATCCCCGCTGACTATGGGCAGTTGC
 TCGGAGCCACTAGTTCGGCCATCAGCCTTCAAGCCTGTTGTACCAAGAACTTTTCATTCCATGCAGAACT
 TGTGTCTCCACAGACCAATGGGACCCCTGAGGGACGACAGGGCCCCGCGGGCTCAAAGCGGACTGGA
 CAAGTCTCGACCATGACCCAGCTGGTGGGAGTGGGGCGGCCCTCAGACTCAGGCCGGAAGCTCACTC
 ACAAGCTTGCCACCTATAGCTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATA
 TCAACCGTATTGGCACCGCTGGCTATAGTAGTGCAGCAGCGGTGGGGGTGAGGCTACCAGGATCTGGG
 GACCTCTGACAGTGGGCGGGCTTCCAGTAAGAGTGGGTGTCATCATCCATGGGGCGGTGAGCCACCTG
 GGATCCGGGGAGGGCGAAATGGGGGCTGCCATTTGCAGCCTGTTACCCACCCCTCGCCAGTGCCTGA
 TCCAGGAGCTGGAGGAGCGGCTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTGCGGCGCAGCCTGGAGCA
 GAGCGAGGCAGCCGTGGCCAGGTGTTGGAGGAGCGGCAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTC
 CGGCAGGGCTGCAGTGGGAAGCTGCAGCAGGTGGCCCGCGTCCAGCAGTGGCCAGCAGGGCTACAGC
 TGCAGGTGCTGCGGTTACAGCAGGACAAGAAACAGCTGCAGGAGGAGGCGGCCAGCTGATAAGGCAACG
 GGAAGAGCTGGAGGACAAGTGGCCGTCTGTGAGAAGGAGCAGGCCGACTTCTGCCCGGATGGAGGAA
 ACTAAGTGGGAGGTGTCCAGAAGGCCGGTGGATTTCCCTCCTGAAGCAACAAGTGAAGGACTCTCAGG
 CCGATGTGTCGAGAAGTTGAGTGAGATCGTGGGGTGCAGCTCACAGCTTCGGGAGGGTAGGGCTCGCT
 CCGGGAGAAGGAGGAGCAGCTGCTCAGCTTGGGGACTCCTTCGGCAGCAAAACAGGCCAGCCTGGAGCTG
 AGTGAAGGCGAGCTGCCCTGCCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTTCGAGCCACAGG
 AGGCGCTGGCCTCCTGTGAGAGTGACGAGGCCAAGATGCGCCGCGCAGGCTGGCGTGGCGGCTGCCCTTC
 TCTGTTTCTGTTGATGGGAGGTGGAGGCTGGAGGAGAGGGTGGGACACGGGCCCTACGCAGGGAGGTG
 GGGAGATTGCAGGCTGAGCTGGCTGCTGAGCGCGTGGCCGTGAGCGCCAGGGTCCAGCTTTGCGGAGG
 AGCGCCGGGTGTGTTGGAGGAGAAGGAGAAGGTATTGAGTATCAGAAACAGCTCCAGCTGAGTTATGT
 GGAGATGTATCAGCGCAACCAGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGCGCAGGGGGTCCAGC
 ACGCCTACTCCCAGCATGGAGAGGAAAAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCA
 CTGAAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230596 representing NM_001291028
 Red=Cloning site Green=Tags(s)

MAPADLASEGPKLEDPPAPHLFGKPSGLIMAKLETLPVRADPGRDPLLAFAAPRSELGPPDPRLTMGSC
 SEPLVRPSAFKPVVKNFHSMQNL CPPQTNGTPEGRQGPAGLKGGLDKSRTMTPAGGSGGGLSDSGRNSL
 TSLPTYSSYSQHLAPLSASTSHINRIGTAGYSSGSSGGSGYQDLGTSDSGRASSKSGSSSMGRSGHL
 GSGEGNGGLPFAACSPSPSALIQELEERLWEKEQEVAAALRRSLEQSEAAVAQVLEERQKAWERELAE
 RQGC SGKLQQVARRAQRAQQGLQLQVLRQLQDDKKQLQEEAAQLIRQRELEDKVAVCQKEQADFLPRMEE
 TKWEVCQKAGEISLLKQQLKDSQADVSQKLSEIVGLRSQLEGRASLREKEEQLLSLRDSFGSKQASLEL
 SEGELPPACLKPALTPVDLVEPQALASCESDEAKMRRQAGVAAAASLVSDGEVEAGGEGGTRALRREV
 GRLQAEALAAERRARERQGASFAEERRVWLEEKEKVIIEYQKQLQLSYVEMYQRNQLERRLRERGAAGSS
 TPTPQHGEKKAWTPSRLERIESTEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001291028

ORF Size: 1758 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

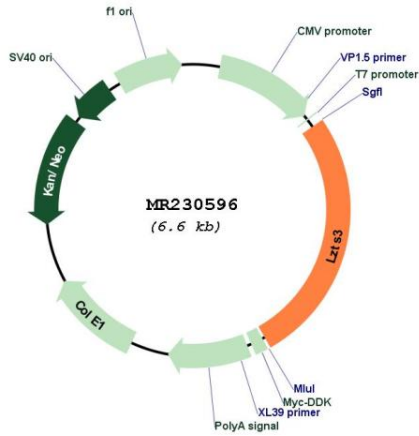
RefSeq ORF: 1761 bp

Locus ID: 241638

UniProt ID: [A2AHG0](#)

Cytogenetics: 2 F1
 MW: 63.9 kDa
 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]

Product images:



Circular map for MR230596