

Product datasheet for **MR225239**

Lzts3 (NM_197945) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts3 (NM_197945) 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:

>MR225239 representing NM_197945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCCTGCAGACCTGGCCTCGGAGGGTCCCAAGCTTGAGGACCCGCCGGCCCCACCTCTTTGGAA
AGTGCCCTTCTGGCTTAATCATGGCGAAGCTGGAGACGTTACCTGTGCGCGCTGATCCAGGGAGGGATCC
TCTCCTGGCCTTTGCCCGCCGCTTCTGAGCTTGACCCCCAGATCCCCGCCTGACTATGGGCAGTGTG
GGTAGTGGGGTGACCCATGCTCAGGAGTTTCTATGAAAAGCGTGGGCACTCGAACAGGGGGTGGGGCA
ACCAAGGCAGTTTCCCTGGTCCAAGAAGCGGTGGTAGCGGGCCAAACAGGGAGAGACCTGGTCGCTACCC
ATCAGAGGACAAGGTTCTCGCCAACTCTCTACCTCAATGGCGAGCTGCGGGCAGTGACCACACAGAT
GTCTGTGGTAATGTGGTGGGCAGCAGTGGGGCAGCAGCAGCAGTGGGGCAGCGACAAGGCTCCACCCC
AGTATCGCGAACCAATACCCACCAAGCTCCTGACCACCTCTGGCAAGCTAGACCAGTCTCGGAGCC
ACTAGTTCGGCCATCAGCCTTCAAGCCTGTTGTACCCAAGAACTTTCATTCCATGCAGAACTTGTGTCT
CCACAGACCAATGGGACCCCTGAGGGACGACAGGGCCCCGCGGGCCTCAAAGGCGGACTGGACAAGTCTC
GGACCATGACCCAGCTGGTGGGAGTGGGGCGGCCCTCTCAGACTCAGGCCGGAACCTCACTCACAAAGCTT
GCCACCTATAGCTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCATATCAACCGT
ATTGGCACCGTGGCTATAGTAGTGGCAGCAGCGGTGGGGGTGACGGCTACCAGGATCTGGGGACCTCTG
ACAGTGGCGGGCTTCCAGTAAGAGTGGGTGTCATCATCCATGGGGCGGTGAGGCCACCTGGGATCCGG
GGAGGGCGGAAATGGGGGCTGCCATTTGACGCTGTTACCACCTCGCCAGTGGCGTATCCAGGAG
CTGGAGGAGCGGCTGTGGGAGAAGGAGCAGGAGGTGGCAGCTCTCGGCGCAGCCTGGAGCAGAGCGAGG
CAGCCGTGGCCAGGTGTTGGAGGAGCGGCAGAAGGCATGGGAGCGGGAGCTAGCCGAGCTCCGGCAGGG
CTGCAGTGGGAAGCTGCAGCAGGTGCCCCGCGTGGCCAGCGTGGCCAGCAGGGCCTACAGCTGCAGGTG
CTGCGGTTACAGCAGGACAAGAAACAGCTGCAGGAGGAGCGGCCAGCTGATAAGGCAACGGAAGAGC
TGGAGGACAAGGTGGCCGTCTGTGAGAAGGAGCAGGCCGACTTCTGCCCGGATGGAGGAACTAAGTG
GGAGGTGTGCCAGAAGGCCGGTGAAGATTTCCCTCCTGAAGCAACAAGTGAAGGACTCTCAGGCCGATGTG
TCGCAGAAGTTGAGTGAGATCGTGGGCTGCGCTCACAGCTTCGGGAGGGTAGGGCTCGCTCCGGGAGA
AGGAGGAGCAGCTGCTCAGCTTGAGGGACTCCTTCGGCAGCAAACAGGCCAGCCTGGAGCTGAGTGAAGG
CGAGCTGCCCCCTGCCTGCCTCAAGCCTGCGCTGACCCCGTGGACCTGGTGCAGCCACAGGAGGCGCTG
GCCTCCTGTGAGAGTGACGAGGCCAAGATGCGCCGGCAGGCTGGCGTGGCGGCTGCCGCTTCTCTGGTTT
CTGTTGATGGGGAGGTGGAGGCTGGAGGAGAGGGTGGGACACGGGCCCTACGCAGGGAGGTGGGGAGATT
GCAGGCTGAGCTGGCTGCTGAGCGGCTGCCCGTGGAGCGCAGGGTGCCAGCTTTGCGGAGGAGCGCCGG
GTGTGGTTGGAGGAGAAGGAGAAGGTCAATTGAGTATCAGAAACAGCTCCAGCTGAGTTATGTGGAGATGT
ATCAGCGCAACCAGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTCCAGCAGCCCTAC
TCCCCAGCATGGAGAGGAAAAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCCACTGAAATC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225239 representing NM_197945
 Red=Cloning site Green=Tags(s)

MAPADLASEGPKLEDPPAPHLFGKCPGLIMAKLETLPVRADPGRDLLAFAPRPSSELGPPDPRLTMGSV
 GSGVTHAQEFPMKSVGTRTGGGGNQGSFPGPRSGSGANRERPRYPSEDKVLANSLYLINGELRSDHTD
 VCGNVVGS SGGSSSSGGSDKAPPQYREPNHPPKLLTTSGLDQCSEPLVRPSAFKPVVVKNFHSMQNLCP
 PQTNGTPEGRQGPAGLKGGLDKSRTMTPAGGSGGGLSDSGRNSL TSLPTYSSSYSQLAPLSASTSHINR
 IGTAGYSSGSSGGSGYQDLGTS DSGRASSKSGSSSMGRSGHLGSGEGNGGLPFAACSPSPSALIQE
 LEERLWEKEQEVAAALRRSLEQSEAAVAQVLEERQKAWERELAELRQGC SGKLQQVARRAQAQQGLQLQV
 LRLQQDKQLQEAAQLIRQREELEDKVAVCQKEQADFLPRMEETKWEVCQKAGEISLLKQQLKDSQADV
 SQKLEIVGLRSQLEGRASLREKEEQLLSLRDSFGSKQASLELSEGELPPACLKPALTPVDLVEPQEAL
 ASCESDEAKMRRQAGVAAAASLVSDGEVEAGGEGTRALRREVGRLQAEAAERRARERQGSFAEERR
 VWLEEKEKVIYQKQLQLSYVEMYQRNQLERRLRERGAAGGSSTPTPQHGEKKAWTPSRLERIESTEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_197945

ORF Size: 2100 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_197945.4](#), [NP_922936.3](#)

RefSeq Size: 4219 bp

RefSeq ORF: 2103 bp

Locus ID: 241638

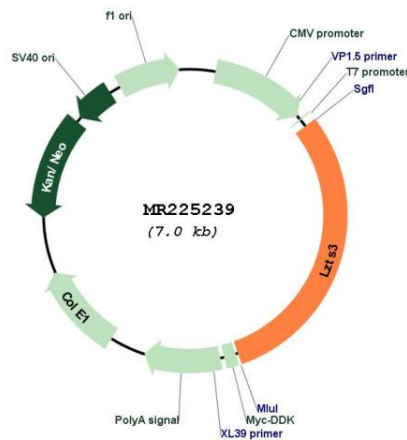
UniProt ID: [A2AHG0](#)

Cytogenetics: 2 F1

MW: 75.4 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 MR225239