

Product datasheet for **MC216316**

Lsm14a (NM_025948) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsm14a (NM_025948) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lsm14a
Synonyms:	2700023B17Rik; AA407828; AU017544; Tral
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216316 representing NM_025948
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGGGCCACCCCTTACATCGGCAGCAAGATCAGCCTCATCTCCAAGCGGAGATCCGCTACGAGG
 GCATCCTCTACACCATCGACACCGAGAACTCCACGGTAGCCCTCGCCAAAGTTTCGATCCTTCGGTACAGA
 AGACAGACCAACAGATCGTCCAATACCGCTCGAGATGAAGTCTTTGAATATATTATATCCGCGGGAGT
 GATATTAAGACCTCACTGTTTGTGAGCCACCCAAACCACAATGTTCTTTGCCTCAGGACCCGGCTATTG
 TTCAGTCTTCACTAGGTTCTGTCGTCATCTTCATTCCAGTCGGTGGGTTCCATGGACCTTTTGGCAGGAT
 GCCAGCATAACAGTCAGTTCAGTCCAAGTACATTAGTTGGGCAGCAGTTGGTGTCTTGGTGTGCTGGA
 AACTCTTTGACATCCTTTGGAACAGAAGCATCAAATAGTGGTACCTTATCCAGAGCAATGCAGTTGGTT
 CGGCCTTACACAAGACACAAGATCTGTAACCACAGCTAGCCCAAGGTCGATCAAGCCCTCAGTTAGA
 CCCTTTGAGAAAAGTCCAACCATGGAACAAGCAGTACAGACCGCTCGGCCACTTACCTGCTCCAGCA
 CCTGTTGGGAGAAGGAGCCCTGTACCAGCCAGGCTTTGCCACCTACCAGCCAGAAAATGAGCAACTCAGAAATGACAAC
 AAGAGCACAGGCGAGCTGAAGTACACAAAGTCCAAGGCCAGAAAATGAGCAACTCAGAAATGACAAGAG
 GCAAGTAGTTCCTGGAGTTCCTTCTGCTCCAAGAAGAGGACGTGGGGTTCATCGAGTGGCAGGGGAAGA
 TTTGGTATCCGTCGAGATGGTCCAATGAAATTTGAGAAAGACTTTGACTTTGAAAGTGCAAATGCACAAT
 TTAACAAGGAGGAAATTTGACAGAGATTTTATAATAAACTTAACTGAAAGAAGATAAACTTGAGAAACA
 AGAGAAACCTGTAACCGTGAAGACAAAGGAGACTCAGGAGTCGACACTCAGAACAGTGAAGGGAATGCT
 GATGAGGAAGATCCCCTTGGGCCAACTGCTACTATGACAAGACCAAGTCCTTCTTTGACAACATCTCTT
 GTGATGATAATAGAGAAAGGAGACCAACTTGGGCTGAAGAAAGAAGGTTAAATGCTGAAACTTTTGGCAT
 CCGCTTCGTCCAAACCGTGGCCGTGGAGCTACCGAGGCAGAGGAGGCCCTTGGCTTCCGTGGTGGCAGA
 GGGCGTGGTAGTGGCCGAGGAGGAACCTTCACTGCCCTCGAGGGTTTCGTGCTGGATTAGAGGCGCTC
 GTGGTGTAGGGAGTTTGCAGACTTTGAATATAGGAAAACCACGGCTTTTGGACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_025948

Insert Size: 1389 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_025948.2](#), [NP_080224.1](#)

RefSeq Size: 2724 bp

RefSeq ORF: 1389 bp

Locus ID: 67070

UniProt ID: [Q8K2F8](#)

Cytogenetics: 7 B1

Gene Summary: Essential for formation of P-bodies, cytoplasmic structures that provide storage sites for non-translating mRNAs.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.