

## Product datasheet for **MC202865**

### Lsm4 (NM\_015816) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lsm4 (NM\_015816) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lsm4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC026747 sequence for NM\_015816

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TCTCAATCCCACCGTAGGAATACGGTGAGGCCGTCGGTCTTGTTCCGTAGGTACCGCCCTAGCACGTCCC
GATTGGATAGATGTCGGTTGAGCTGCTCGCTGATTGGTCATAGTTTCTGCCAGTCTTTTTAGTCTGGGG
CGCGCGGTGGGCCGCGGTGGGAGCGCTGTGTCTGTGCCGCGCGGAAGTTATCGCTGCAGGGAAGATG
CTTCCCTTGCTCGCTGCTGAAGACAGCGCAGAATACCCCATGCTGGTGGAGCTGAAGAATGGGGAGACGT
ACAACGGGCATCTGGTGAGCTGTGACAACTGGATGAACATCAACCTCCGGGAGGTGATCTGCACGTCCGG
GGATGGTGACAAGTTCTGGAGGATGCCTGAGTGCTACATCCGTGGCAGCACCATCAAGTATCTGCGCATC
CCTGATGAGATCATTGACATGGTGCGGGAGGAGGCCCAAGGGCCGAGGGCCGAGGAGGACCCGACGAGC
AGAAGCAGCAGAAAGGCCGAGGCATGGGCGGCGCTGGCCGAGGTGTGTTTGGTGGCCGGGGCCGGGGTGG
CATCCCAGGTGCAGGCCGAGGCCAGCCGAGAAGAAGCCAGGGCCGAGGAGGCAACAGTGATCACTC
CTGGCTGAGCCGAGCCAGAACGGTGGTGAGGCCTCAGGGCACCTTTGTGTGAAGCCCACTTGGCGT
CTGGTCCAGTGAAGTCCCTCGCTGGCCTCTGACTCAGTTTCTGGAAGTTCCGAGTCTGAGGTGCCTGTG
GAGCCTTAGATGCCCTTTGAAGGCTGACTTCTCCAGGCATGTTTGTGTTTGTGAGTTTGGAGCTGCAGGCT
CAGCCCATGGCGGCTCACCTGTCTTTACCAGCCATACCTGTACATCTTCTGTTTGAAAAATAAAAGCA
AACACCATAGAAAAGAAAAAAAAAAAAAAAAAAAAA
```

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_015816  
**Insert Size:** 417 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:** [BC026747](#), [AAH26747](#)

**RefSeq Size:** 943 bp

**RefSeq ORF:** 417 bp

**Locus ID:** 50783

**UniProt ID:** [Q9QXA5](#)

**Cytogenetics:** 8 B3.3

**Gene Summary:** Plays role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA.[UniProtKB/Swiss-Prot Function]