

## Product datasheet for MR201905

### Lsm12 (NM\_172947) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lsm12 (NM\_172947) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lsm12  
**Synonyms:** 1110032E16Rik; 1110059P07; 2600001B17Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201905 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCACCTCCGGGCGAGTACTTCAGCGTTGGGAGCCAGGTGTCGTGCCGGACGTGCCAGGAGCAGC  
 GGCTGCAGGGCGAGGTGGTAGCCTTCGACTACCAGTCCAAAATGCTGGCTCTAAAATGTCCTCTTCCAG  
 TGGAAAACCAACCATGCAGACATCTTGCTTATAAACTTACAGTATGTTTCAGAAGTGAAATAATTAAT  
 GATCGAACAGAAACCCCTCCTCCCTAGCTTCACTCAATGTTAGTAAGCTTGCCAGCAAAGCACGGACGG  
 AGAAGGAGGAGAAGCTGAGCCAGGCCTATGCAATCAGCGCTGGTGTCTCCCTGGAGGGCCAACAGCTCTT  
 CCAGACCATTACAAGACCATTAAAGACTGTAAATGGCAAGAAAAAACATTGTAGTCATGGAAGAAGTT  
 GTTATTACACCCCATATCAAGTGGAAAATTGTAAGGCAAGAGGGGAGTCACTGAGCCATGTACGCA  
 AAATAGTTGAAAAACATTTTAGAGACGTGGAAAGCCAAAAGATACTGCAGCGTTCACAAGCCCAACAAC  
 ACAGAAGGAGGCTGCTCTGTCATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201905 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAPPGEYFVSGSQVSCRTCQEQLQGEVVAFDYQSKMLALKCPSSSGKPNHADILLINLQYVSEVEIIN  
 DRTEPPPLASLNVSKLASKARTEKEEKL SQAYAI SAGVSL EGQLFQT IHKTIK DCKWQEKNIVMEEV  
 VITPPYQVENCKGKEGSALSHVRKIVEKHFRDVESQKILQRSQAQPQKEAALSS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172947

**ORF Size:** 588 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\\_172947.3](#)

**RefSeq Size:** 1224 bp

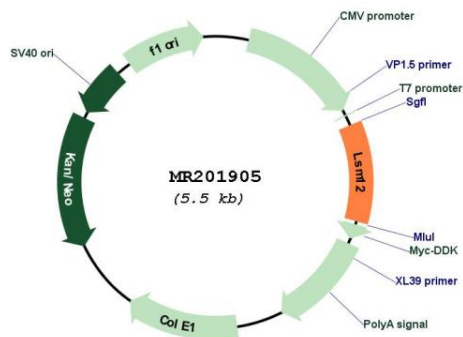
**RefSeq ORF:** 588 bp

**Locus ID:** 268490

**UniProt ID:** [Q9D0R8](#)

Cytogenetics: 11 D  
 MW: 21.7 kDa

**Product images:**



Circular map for MR201905