

Product datasheet for **MC210352**

Lsm5 (NM_025520) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lsm5 (NM_025520) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lsm5
Synonyms: 2010208O10Rik; 2310034K10Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210352 representing NM_025520
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTAACGCGACCACGAACCCGTCCCAACTCCTGCCACTAGAGCTTGTGGACAAATGTATAGGGT
CAAGAATTCACATTGTGATGAAGAGTGATAAAGAAATTGTCGGGACACTTCTAGGATTTGATGACTTTGT
CAATATGGTGTGGAAGATGTCACAGAATTTGAAATTACACCAGAAGGAAGAAGAAATTACAAAATTAGAT
CAAATTCTACTAAATGGAATAATATAACAATGCTGGTCCCGGAGGAGAAGGGCCTGAAGTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_025520
Insert Size: 276 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).



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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_025520.3](#), [NP_079796.1](#)

RefSeq Size: 516 bp

RefSeq ORF: 276 bp

Locus ID: 66373

UniProt ID: [P62322](#)

Cytogenetics: 6 B3

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]