

## Product datasheet for **MR200135**

### Lsm6 (NM\_030145) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lsm6 (NM\_030145) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lsm6  
**Synonyms:** 1500031N17Rik; 2410088K19Rik; A1747288  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200135 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCTGCGGAAGCAAACCCCTAGCGACTTCTTAAAGCAGATCATCGGACGGCCAGTTGTGGTAAAT  
TAAATTCTGGCGTGGATTATCGAGGGTCTGGCCTGCCTGGATGGCTACATGAATATAGCCCTGGAACA  
GACAGAGGAGTATGTAATGGACAGCTGAAGAATAAGTACGGAGATGCGTTCATCCGAGGAACAATGTG  
CTGTACATAAGTACACAGAAGAGCGGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200135 protein sequence  
Red=Cloning site Green=Tags(s)  
MSLRKQTPSDFLKQIIGRPVVVKLNSGVDYRGVLAACLDGYMNIQLEEQTEEVNGLKKNKYGDAFIRGNV  
LYISTQKRRM

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



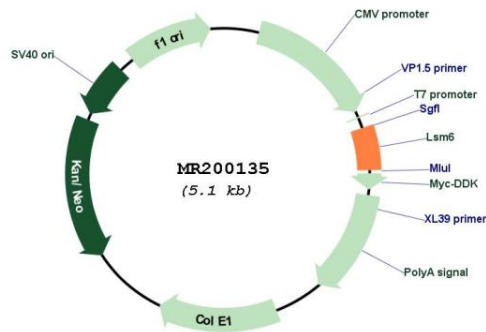
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Locus ID: 78651  
 UniProt ID: [P62313](#)  
 Cytogenetics: 8 C1  
 MW: 9.1 kDa

**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. Component of LSm protein complexes, which are involved in RNA processing and may function in a chaperone-like manner, facilitating the efficient association of RNA processing factors with their substrates. Component of the cytoplasmic LSM1-LSM7 complex, which is thought to be involved in mRNA degradation by activating the decapping step in the 5'-to-3' mRNA decay pathway.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200135