

Product datasheet for **MR200775**

Lsm1 (NM_026032) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lsm1 (NM_026032) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lsm1
Synonyms: 2810025O06Rik; CASM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200775 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTATATGCCCGCCACCGCCAGCCTCATCGAGGACATCGACAAAAGCACTTGGTCTACTTCGAG
ATGGAAGAACACTTATAGGTTTTTAAGAAGCATTGATCAATTTGCTAACTAGTGCTCCATCAGACTGT
GGAGCGAATTCATGTGGCAAAAAGTACGGTGATTCCTCGAGGGATTTTCGTGGTCAGAGGAGAGAAT
GTGGTCTACTAGGAGAAATAGACCTGGAGAAGGAGAGTGACACGCCCTTCAGCAAGTGTCTATTGAAG
AGATCCTAGAGGAACAGAGGGTGCAACAGCAGACCAGACTGGAGGCAGAGAAGCTGAAGGTCCAGACCT
TAAAGATCGGGGCTTTCCATTCCTCGCGCAGACTCTGGACGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200775 protein sequence
Red=Cloning site Green=Tags(s)

MNYMPGTASLIEDIDKKHLVLLRDGRTLIGFLRSIDQFANLVLHQTVERIHVGKKYGDIPRGIFVVRGEN
VLLGEIDLEKESDTPLQQVSIEEILEEQRVQQTRLEAEKLVQTLKDRGLSIPRADTLD EY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_026032

ORF Size: 402 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_026032.1](#), [NP_080308.1](#)

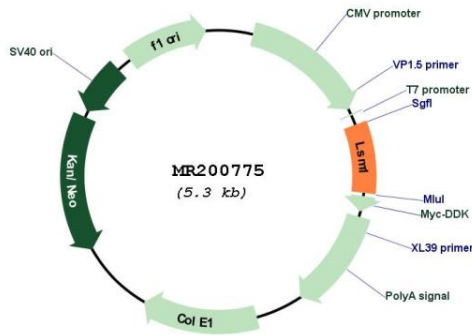
RefSeq Size: 2360 bp

RefSeq ORF: 402 bp

Locus ID: 67207

UniProt ID: [Q8VC85](#)
 Cytogenetics: 8 A2
 MW: 15.2 kDa
 Gene Summary: Plays a role in the degradation of histone mRNAs, the only eukaryotic mRNAs that are not polyadenylated (By similarity). Probably also part of an LSm subunits-containing complex involved in the general process of mRNA degradation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200775