

## Product datasheet for **MC207206**

### Lsm10 (NM\_138721) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Lsm10 (NM\_138721) Mouse Untagged Clone

Tag: Tag Free

Symbol: Lsm10

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC207206 representing NM\_138721

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCACTGAGCCACTCGGTGAAGGAGCGAACTATTTCTGAGAACAGCCTGATCATCCTGTTGCAGGGCC  
TCCAAGGCCAAATAACCACTGTGGACCTTCGGGATGAGAGTGTGGCCCGAGGACGCATTGACAACGTGGA  
TGCTTTTATGAATATCCGCCTGGCCAATGTCACCTATACCGACCGCTGGGGACATCAGTTGAGTTGGAT  
GACCTTTTGTGACCGGTGTAACGTCCGATACGTCCATATCCAGATGGTGTGGACATCACTGCTACTA  
TTGAGCAGCAGCTGCAGATCATCCACCGTGTGCGCAACTTTGGTGGCAAGGGTCAAGGTCGTCGAGAGTT  
CCCTCCAAAAGGCCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_138721

Insert Size: 369 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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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_138721.2</a> , <a href="#">NP_620046.1</a>
<b>RefSeq Size:</b>	927 bp
<b>RefSeq ORF:</b>	369 bp
<b>Locus ID:</b>	116748
<b>UniProt ID:</b>	<a href="#">Q8QZX5</a>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	<p>Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing (By similarity). Increases U7 snRNA levels but not histone 3'-end pre-mRNA processing activity, when overexpressed (By similarity). Required for cell cycle progression from G1 to S phases (By similarity). Binds specifically to U7 snRNA (By similarity). Binds specifically to U7 snRNA (By similarity). Binds to the downstream cleavage product (DCP) of histone pre-mRNA. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>