

## Product datasheet for **SC125809**

### LSM1 (NM\_014462) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LSM1 (NM\_014462) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** LSM1  
**Synonyms:** CASM; YJL124C  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014462 edited  
GCTTGGTCCCACCGAGGCGGCGACTGCGGTAGGAGGGAAGAGGTTTTGGACGCGCTGGCC  
TCCCGCCGCTGTGCATGCAGCATTATTTTCAGTTCAAATGAACTATATGCCTGGCACCCG  
CAGCCTCATCGAGGACATTGACAAAAAGCACTTGGTTCTGCTTCGAGATGGAAGGACACT  
TATAGGCTTTTTAAGAAGCATTGATCAATTTGCAAACCTAGTGCTACATCAGACTGTGGA  
GCGTATTCATGTGGGCAAAAAATACGGTGATATTCCTCGAGGGATTTTTGTGGTCAGAGG  
AGAAAAATGTGGTCCTACTAGGAGAAATAGACTTGGAAAAGGAGAGTGACACACCCCTCCA  
GCAAGTATCCATTGAAGAAATCTAGAAGAACAAGGGTGAACAGCAGACCAAGCTGGA  
AGCAGAGAAGTTGAAAGTGCAGGCCCTGAAGGACCGAGGTCTTTCCATTCTCGAGCAGA  
TACTCTTGATGAGTACTAATCTTTGCCCAGAGGCTGTTGGCTCTGAAGAGTAGGGCT  
GTCAGTGAAGTGAAGTGCATCCTGGCCACCTCACGCATTTGATCACAGACTGTAGAGTT  
TTGAAAAGTCACTTTTATTTTTAATTATTTTACATATGCAACATGAAGAAATCGTGTAGG  
TGGGTTTTTTTTAATACAAAATCACTGTTTAAAGAAACAGTGGCATAGACTCCTTAC  
ACATCACTGTGGCACCAGCAACTACTTCTTTATATTGTTCTTCATATCCCAAATTAGAGT  
TTACAGGGACAGTCTTCACTTTTACTTGTAATAAAAAATGAATCTCAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014462 unedited TTCAAAATTTTGTAAACGAACACTACTATAGGGCGGCCGGAATTCGCACGAGGGCTTGG TCCCACCAGGCGCGGACTGCGGTAGGAGGGAAGAGGTTTTGGACGCGCTGGCCTCCCGC CGCTGTGCATTGCAGCATTATTTTCAGTTCAAATGAACTATATGCCTGGCACCCGAGCC TCATCGAGGACATTGACAAAAAGCACTTGGTTCTGCTTCGAGATGGAAGGACACTTATAG GCTTTTTAAGAAGCATTGATCAATTTGCAAACCTAGTGCTACATCAGACTGTGGAGCGTA TTCATGTGGGCAAAAAATACGGTGATATTCCTCGAGGGATTTTTGTGGTCAGAGGAGAAA ATGTGGTCTACTAGGAGAAATAGACTTGAAAAAGGAGAGTGACACACCCCTCCAGCAAG TATCCATTGAAGAAATTCTAGAAGAACAAGGGTGAACAGCAGACCAAGCTGGAAGCAG AGAAGTTGAAAGTGCAGGCCCTGAAGGACCGAGGTCTTCCATTCTCGAGCAGATACTC TTGATGAGTACTAATCTTTTCCCAGAGGCTGTTGGCTTTGAAGAGTANGGGCTGTAC TGAGTGAAAGTGACATCCTGGCCACCTCACGCATTTGATCACAGACTGTAGAGTTTTGAA AAGTCACTTTTATTTTAAATTTTACATATGCCACATGAAGAAATCGTGTAGGTGGGG TTTTTTTTTAATAACCAATCACTGTTTAAAGAAACAGTGGCATAGACTCCCTCACACAT CACTGTGGCACCAGCAACTACCTCCTTAATATGGTCTCAATCCCAAATAGAGTTTACA GGGACAGTCTTCACTTGTAAAATAAATTGGAATCTAAAANNAANNNNNNNNNNA NNAANNAAGANAAAAACCCCTCGGCATCTTTTCGGGTGCGAAAAGAAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_014462
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<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>RefSeq:</b>	<a href="#">NM_014462.1</a> , <a href="#">NP_055277.1</a>
<b>RefSeq Size:</b>	935 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	27257
<b>UniProt ID:</b>	<a href="#">O15116</a>
<b>Cytogenetics:</b>	8p11.23
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	RNA degradation

**Gene Summary:**

This gene encodes a member of the LSm family of RNA-binding proteins. LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo(U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Increased expression of this gene may play a role in cellular transformation and the progression of several malignancies including lung cancer, mesothelioma and breast cancer. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (1) represents the longest transcript and is protein-coding.