

Product datasheet for **SC108743**

LSM7 (NM_016199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM7 (NM_016199) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSM7
Synonyms:	YNL147W
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108743 sequence for NM_016199 edited (data generated by NextGen Sequencing)

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ATGGCGGATAAGGAGAAGAAGAAAAAGGAGAGCATCTTGGACTTGTCCAAGTACATCGAC
AAGACGATCCGGGTAAAGTTCCAGGGAGGCCGCGAAGCCAGTGAATCCTGAAGGCTTC
GACCCACTCCTCAACCTTGTGCTGGACGGCACCATTGAGTACATGCGAGACCCTGACGAC
CAGTACAAGCTCACGGAGGACACCCGGCAGCTGGGCCTCGTGGTGTGCCGGGGCACGTCC
GTGGTGTAACTGCCCCGAGGACGGCATGGAGGCCATCCCCAACCCCTTCATCCAGCAG
CAGGACGCCTAG
```

Clone variation with respect to NM_016199.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016199 unedited
CGGTCAATTTGATACACTATTAGCGGCCGGATTGCGCGAGCGAAGACCCACGGCGCGAC
AAGATGGCGGATAAGGAGAAGAAGAAAAAGGAGAGCATCTTGGACTTGTCCAAGTACATC
GACAAGACGATCCGGGTAAAGTTCCAGGGAGGCCGCGAAGCCAGTGAATCCTGAAGGGC
TTCGACCCACTCCTCAACCTTGTGCTGGACGGCACCATTGAGTACATGCGAGACCCTGAC
GACCAGTACAAGCTCACGGAGGACACCCGGCAGCTGGGCCTCGTGGTGTGCCGGGGCACG
TCCGTGGTGTAACTGCCCCGAGGACGGCATGGAGGCCATCCCCAACCCCTTCATCCAG
CAGCAGGACGCCTAGCCTGGCCGGGGGGCGGGGGGTGCAGGGCAGGCCCGAGCAGCTCG
GTTTCCC GCGACTTGGCTGCTGCTCCACCGCAGTACCGCCTCCTGGAACGGAAGCATT
TTCCTTTTGTATAGGTTGAATTTTGTCTTCTTAATAAAATGCAAACCTCNNAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACCCCTCCTTTAAATGGGGCCCGGGCCTTAT
TTGTTTCTGTAAACAAACCCGGGGGGGATTCCTTGAACCCCTCCCAATGCCCTTTCTGGG
CCTGGAATTTGGCACTTCAGTGCCCCCACCTTTGCCTTAAAAATAAAGTGGACCTTTT
GGTCGGACAGGGGCCTTTTAAAAATAAGGGGGTGAGGGGGGTGGGTTTTTGCACCAGGG
CCCAATTTGAAAAAAACCCCTGTGGGGCCCCGGGGGTTTTTTGGAC
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Restriction Sites:	NotI-NotI
ACCN:	NM_016199
Insert Size:	540 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_016199.1</u> , <u>NP_057283.1</u>
RefSeq Size:	489 bp
RefSeq ORF:	312 bp
Locus ID:	51690
UniProt ID:	<u>Q9UK45</u>
Cytogenetics:	19p13.3
Domains:	Sm
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation, Spliceosome
Gene Summary:	Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.[supplied by OMIM, Apr 2004]