

Product datasheet for **SC102903**

LSM10 (NM_032881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM10 (NM_032881) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSM10
Synonyms:	MST074; MSTP074
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102903 sequence for NM_032881 edited (data generated by NextGen Sequencing) ATGGCGGTGAGCCATTCACTGAAGGAGCGGACCATCTCTGAGAACAGCCTGATCATCCTA CTGCAGGGCCTCCAGGGCCGGTAACCACTGTGGACCTGCGGGATGAGAGCGTGGCCAC GGACGCATAGACAATGTCGATGCTTTCATGAACATCCGCCTGGCCAAAGTCACCTACACG GACCGTTGGGGCATCAGGTCAAGCTGGATGACCTCTTTGTGACAGGCCGAATGTCCGC TACGTCCACATCCCAGATGACGTGAACATCACCTCGACCATTGAGCAGCAGCTGCAGATT ATCCATCGGGTGCGAACTTTGGTGGCAAGGGCCAAGGCCGGTGGGAATTCCCCAAAA AACTGTAAGTGA Clone variation with respect to NM_032881.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032881 unedited
 GATTTTGTAAACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGTCGCCGGCAT
 GGTTCCTCCGTCTGCTGCAGCCGGCGGGAGGCAGCCAGTCCAGGCGCCCGCTAGCTTCG
 GCGGCGACCCAGACGGGGAAGCGGAAGGAATGTCGCGTGCAAGCAGGCAGCTGGTGTGG
 AAGAATGGCGGTGAGCCATTTCAGTGAAGGAGCGGACCATTCTGAGAACAGCCTGATCAT
 CCTACTGCAGGGCCTCCAGGGCCGGTAACCACTGTGGACCTGCGGGATGAGAGCGTGGC
 CCACGGACGCATAGACAATGTCGATGCTTTCATGAACATCCGCCTGGCCAAAGTCACCTA
 CACGGACCGTTGGGGGCATCAGGTCAAGCTGGATGACCTCTTTGTGACAGGCCGCAATGT
 CCGCTACGTCCACATCCCAGATGACGTGAACATCACCTCGACCATTGAGCAGCAGCTGCA
 GATTATCCATCGGGTGCGAACTTTGGTGGCAAGGGCCAAGGCCGGTGGGAATTTCCCCC
 AAAAACTGTAAGTGAGGCCCTCAGCAAGCCCTGGCCCCAACTCGGAGTCTCCAGTGAT
 CTCCGGAGCTAGTTCCTGCCCTCACACCCTGTCTGGTACCCGAGAAGAAAGCAGGGCCA
 GGCCAGAAGCTGGTGTCCAACAGACACCACCTGTANAGCTGCCTTTCACAGGGTTCCAC
 CTCCCAGACTCACTCTGGGACCCAGAATCTATATGTGGCCTTGGGGTANGTGACAATCCC
 CTTTTGATGATCTGAATCTCTGACTTATTGATATGGNACCCTGTCAGTAGTTTCAACT
 TTCCAGTGAGATANTTAACGTCTCANNCTGACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032881 unedited
 TTTGAACCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGGACACTTAGAGGTG
 GCTCAGGCTGAGCATGTTTAATTATCCTCACTGGGAGAGTTGAAACTACTTGACAGGTT
 CCATAATCAATAAGTCAGAGATTCAGATCATAAAAAGGGGGATTGTACCTACCCCAAG
 GCCACATATAGGATTCTGGGTCCCAAAGTGAGTCTGGGAGGTGGAACCTGTGAAAGGCA
 GCTTTGACAGGTGGTGTCTGTTGGACACCAGCTTCTGGCCTGGCCCTGCTTCTTCTCGG
 GTACCAAAACAGGGTGTGAGGGCAGGGAACCTAGCTCCGGAGATCACTGGAGGACTCCGAGT
 TGGGGCCAGGGCTTGCTGAGGGCCTCACTTACAGTTTTTTGGGGGAAATCCCACCGGCC
 TTGGCCCTTGCCACCAAAGTTTCGCACCCGATGGATAATCTGCAGCTGCTGCTCAATGGT
 CGAGGTGATGTTACGTCATCTGGGATGTGGACGTAACGGACATTGCGGCCTGTCACAAA
 GAGGTCATCCAGCTTGACCTGATGCCCCAACGGTCCGTGTAGGTGACTTTGGCCAGGCG
 GATGTTTCATGAAAGCATCGACATTGTCTATGCGTCCGTGGGCCACGCTCTCATCCCGCAN
 GTCCACAGTGGTTACCCGGCCCTGGNAGCCCTGCAGTANGATGATCAGCTGTTCTCAGA
 GAGGTCCGCTCCTTCTGAATGGCTCACCCATTCTTCCCACACCTGCCTGCTTCAACC
 CACATTCTTCCGCTTTCCCGTCTGGGTGCGCCGCCGACCTAACGGGGCCCTGGACTG
 GCTGCCTNCCGCCGGCTGCAGCAAGAACGAAAAACCATGCGGGCGACCCTCGTGGCGAAT
 TCCCGGGCCGCCATAAGGAGNCGGATACAAATACTGGCGGTCCACCTAACAACTTGCT
 TATTAACTTCCACCGACACCCTTCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_032881

Insert Size:

880 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:	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_032881.1, NP_116270.1</u>
RefSeq Size:	869 bp
RefSeq ORF:	372 bp
Locus ID:	84967
UniProt ID:	<u>Q969L4</u>
Cytogenetics:	1p34.3
Domains:	Sm
Gene Summary:	Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing. Increases U7 snRNA levels but not histone 3'-end pre-mRNA processing activity, when overexpressed. Required for cell cycle progression from G1 to S phases. Binds specifically to U7 snRNA. Binds to the downstream cleavage product (DCP) of histone pre-mRNA in a U7 snRNP dependent manner.[UniProtKB/Swiss-Prot Function]