

Product datasheet for **SC115452**

LSM5 (NM_012322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM5 (NM_012322) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSM5
Synonyms:	YER146W
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012322, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCTAACGCTACTACCAACCCGTCGCAGCTGCTGCCCTTAGAGCTTGTGGACAAATGTATAGGAT
CAAGAATTCACATCGTGATGAAGAGTGATAAGGAAATGTTGGTACTCTTCTAGGATTTGATGACTTTGT
CAATATGGTACTGGAAGATGTCAGTGTGAAATCACACCAGAAGGAAGAAGGATTAATAATAGAT
CAGATTTTGCTAAATGGAATAATATAACAATGCTGGTTCCTGGAGGAGAAGGACCTGAAGTGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012322 unedited
CTCTTTGTAAACGACTCCTATAGCGGCCGCGACTTCGGCACGAGGCTAACGCTACTACC
AACCCGTCGCAGCTGCTGCCGTTAGGTAATCGCCGTCCTTTGGGAGCAGGAACAGGGAG
CTGACATTCAGGATTGGGGCCGAGGGGCTGTTCCGAGGCAGGCCCTGGCCGAGTGTGG
GAAATGTATAAGACCAAATGCGGTTGACTCTGAGCTCCAAGTCTTCGCGACAGCAGGCC
GCACCTGCTCTTAACTGGTTCGGGCTCCTCCAGAGCTTGTGGACAAATGTATAGGATCA
AGAATTCACATCGTGATGAAGAGTGATAAGGAAATGTTGGTACTCTTCTAGGATTTGAT
GACTTTGTCAATATGGTACTGGAAGATGTCAGTGTGAGTGTAAAGAATTGG
GGGAATCTCTTCTTATTAAAGACAGTTTTACTACTTTTGAGTAAATATTTATGAGAA
AACATTACCNTCTTGGTGAATAACGTTAAGATAAGACGTTTTATCTGTTTGCTTGTA
TTGGATCCAGAGTGTATTACCTTAATGTAATTATTAGTAAACGCCTAGATATTAGTGA
AACACAGTTTTAAGGTAGAAGATACAAAAAGCCGATNTTTTTGGGGGTTTCAGTCAAA
AAGGGACTGATAGTAAGAGCATTTAGGCTGGACTTGGGGCTCAATTCCTGTATCCTACA
CTTTGGGAGGCAAGGNGGAGGATACCCGGGGGGAGTTTGGACCAGCTGGGCACAAGGG
GAGACCTGTCTTATAAAAAATTAATAAATACTGTTTATTAAGGGGGGCATTTGATTCTAC
TGCTGGGGGGGGGGGAGACCCCTGCCCAAGATTTTGGGTGGAGGAACTTAATTGGG
CCCG



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Restriction Sites:	NotI-NotI
ACCN:	NM_012322
Insert Size:	6370 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_012322.1</u> , <u>NP_036454.1</u>
RefSeq Size:	749 bp
RefSeq ORF:	276 bp
Locus ID:	23658
UniProt ID:	<u>Q9Y4Y9</u>
Cytogenetics:	7p14.3
Domains:	Sm
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation, Spliceosome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>