

## Product datasheet for **SC333718**

### LSM4 (NM\_001252129) Human Untagged Clone

#### Product data:

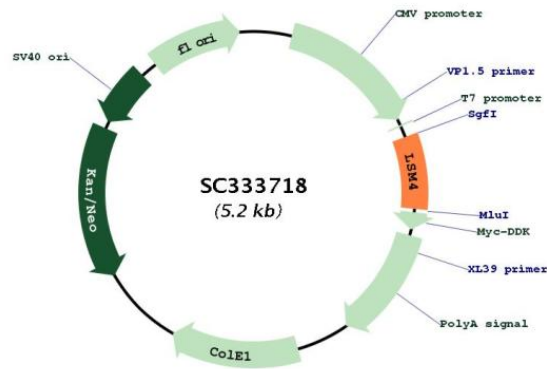
Product Type:	Expression Plasmids
Product Name:	LSM4 (NM_001252129) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSM4
Synonyms:	GRP; YER112W
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333718 representing NM_001252129. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGGTGGAGCTGAAAAATGGGGAGACGTACAATGGACACCTGGTGAGCTGCGACAACTGGATGAAC
ATTAACCTGCGAGAAGTCATCTGCACGTCCAGGGACGGGGACAAGTTCTGGCGGATGCCCGAGTGCTAC
ATCCGCGGCAGCACCATCAAGTACCTGCGCATCCCCGACGAGATCATCGACATGGTCAAGGAGGAGGTG
GTGGCCAAGGGCCGCGCCCGGGAGGCCGTCAGCAGCAGAAGCAGCAGAAAGCCCGGCATGGGCGGC
GCTGGCCGAGGTGTGTTTGGTGGCCGGGCGGAGGTGGGATCCCCGGCACAGGCAGAGGCCAGCCAGAG
AAGAAGCCTGGCAGACAGGCGGGCAAACAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001252129

**Insert Size:** 378 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:** [NM\\_001252129.1](#)

RefSeq Size:	1783 bp
RefSeq ORF:	378 bp
Locus ID:	25804
Cytogenetics:	19p13.11
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation, Spliceosome
MW:	13.8 kDa

**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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) lacks an exon in the 5' coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.