

## LSM4 cDNA

Catalog Number: ATGD0189

### PRODUCT INFORMATION

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**Catalog number**

ATGD0189

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_036453.1

**Alternative Names**

GRP, YER112W

**mRNA Refseq**

NM\_012321.4

**OMIM**

607284

**Chromosome location**

19p13.11

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

420bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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LSM4 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.

### DATA

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#### Sequence nucleotides

```
ATGCTTCCCTTGCTCACTGCTGAAGACGGCTCAGAATCACCCCATGTTGGTGGAGCTGAAAAATGGGGAGACGTACAATGGA  
CACCTGGTGAGCTGCGACAACCTGGATGAACATTAACCTGCGAGAAGTCATCTGCACGTCCAGGGACGGGGACAAGTTCTG  
GCGGATGCCCGAGTGCTACATCCGCGGCAGCACCATCAAGTACCTGCGCATCCCCGACGAGATCATCGACATGGTCAAGG  
AGGAGGTGGTGGCCAAGGGCCGCGGCCGCGGAGGCCTGCAGCAGCAGAAGCAGCAGAAAGGCCGCGGCATGGGCGGGC  
CTGGCCGAGGTGTGTTTGGTGGCCGGGGCCGAGGTGGGATCCCGGGCACAGGCAGAGGCCAGCCAGAGAAGAAGCCTGG  
CAGACAGGCCGGGCAAACAGTGA
```

#### Transaction Sequence

```
MLPLSLLKTA QNHPMLVELK NGETYNGHLV SCDNWMNINL REVICTSRDG DKFWRMPECY IRGSTIKYLR IPDEIIDMVK  
EEVAKGRGR GGLQQKQK GRGMGGAGRG VFGGRGRGGI PGTGRGQPEK KPGRQAGKQ
```