

LSM4 cDNA

Catalog Number: ATGD0189

PRODUCT INFORMATION

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

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

Sequence nucleotides

```
ATGCTTCCCTTGCTCACTGCTGAAGACGGCTCAGAATCACCCCATGTTGGTGGAGCTGAAAAATGGGGAGACGTACAATGGA
CACCTGGTGAGCTGCGACAACCTGGATGAACATTAACTGCGAGAAGTCATCTGCACGTCCAGGGACGGGGACAAGTTCTG
GCGGATGCCCGAGTGCTACATCCGCGGCAGCACCATCAAGTACCTGCGCATCCCCGACGAGATCATCGACATGGTCAAGG
AGGAGGTGGTGGCCAAGGGCCGCGGCCGCGGAGGCCTGCAGCAGCAGAAGCAGCAGAAAGGCCGCGGCATGGGCGGGCG
CTGGCCGAGGTGTGTTTGGTGGCCGGGGCCGAGGTGGGATCCCGGGCACAGGCAGAGGCCAGCCAGAGAAGAAGCCTGG
CAGACAGGCGGGCAAACAGTGA
```

Transaction Sequence

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