

LSM1 cDNA

Catalog Number: ATGD0081

PRODUCT INFORMATION

Catalog number

ATGD0081

Product type

cDNA

Species

Human

NCBI Accession No.

NP_055277.1

Alternative Names

CASM, YJL124C

mRNA Refseq

NM_014462.2

OMIM

607281

Chromosome location

8p11.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

402bp

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 BamH 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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u6 snRNA-associated Sm-like protein LSm1, also known as LSM1 plays a role in replication-dependent histone mRNA degradation and binds specifically to the 3'-terminal u-tract of u6 snRNA. LSM1 protein facilitates RNA protein interactions and structural changes that are required during ribosomal subunit assembly. LSM1 is naturally overexpressed in pancreatic cancer as well as in certain breast cancer cell lines.

DATA

Sequence nucleotides

```
ATGAACTATA TGCCTGGCAC CGCCAGCCTC ATCGAGGACA TTGACAAAAA GCACTTGGTT CTGCTTCGAG
ATGGAAGGAC ACTTATAGGC TTTTAAAGAA GCATTGATCA ATTTGCAAAC TTAGTGCTAC ATCAGACTGT
GGAGCGTATT CATGTGGGCA AAAAATACGG TGATATTCCT CGAGGGATTT TTGTGGTCAG AGGAGAAAAT
GTGGTCCTAC TAGGAGAAAT AGACTTGAA AAGGAGAGTG ACACACCCCT CCAGCAAGTA TCCATTGAAG
AAATTCTAGA AGAACAAAGG GTGGAACAGC AGACCAAGCT GGAAGCAGAG AAGTTGAAAG TGCAGGCCCT
GAAGGACCGA GGTCTTTCCA TTCCTCGAGC AGATACTCTT GATGAGTACT AA
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Transaction Sequence

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MNYMPGTASL IEDIDKKHLV LLRDGRTLIG FLRSIDQFAN LVLHQTVRI HVGKKYGDIP RGIFVVRGEN VVLLGEIDLE
KESDTPLQQV SIEEILEEQR VEQQTLEAE KLVQALKDR GLSIPRADTL DEY
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