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

LSM1 cDNA

Catalog Number: ATGD0081

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 TTTTTAAGAA GCATTGATCA ATTTGCAAAC TTAGTGCTAC ATCAGACTGT GGAGCGTATT CATGTGGGCA AAAAATACGG TGATATTCCT CGAGGGATTT TTGTGGTCAG AGGAGAAAAT GTGGTCCTAC TAGGAGAAAT AGACTTGGAA AAGGAGAGTG ACACACCCCT CCAGCAAGTA TCCATTGAAG AAATTCTAGA AGAACAAAGG GTGGAACAGC AGACCAAGCT GGAAGCAGAG AAGTTGAAAG TGCAGGCCCT GAAGGACCGA GGTCTTTCCA TTCCTCGAGC AGATACTCTT GATGAGTACT AA

Transaction Sequence

MNYMPGTASL IEDIDKKHLV LLRDGRTLIG FLRSIDQFAN LVLHQTVERI HVGKKYGDIP RGIFVVRGEN VVLLGEIDLE KESDTPLQQV SIEEILEEQR VEQQTKLEAE KLKVQALKDR GLSIPRADTL DEY