Recombinant human LSM1 protein

Catalog Number: ATGP0734

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-133aa

UniProt No.
O15116

NCBI Accession No.
NP_055277

Alternative Names
u6 snRNA-associated Sm-like protein LSm1, CASM, Small nuclear ribonuclear CaSm, u6 snRNA-associated Sm-like protein LSm1

PRODUCT SPECIFICATION

Molecular Weight
17.3 kDa (153aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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. Recombinant human LSM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

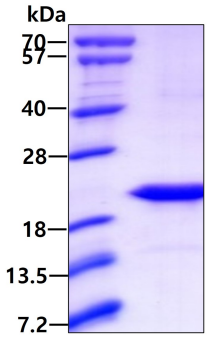
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General References

Noueiry A O., et al. (2003) Mol Cell Biol. 23:4094-4106.
Kufel J., et al. (2003) J Biol Chem. 278:2147-2156.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.