

Recombinant Human LSM1, His-tagged

Cat. No. LSM1-2818H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LSM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 17.3kDa (153aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MNYMPGTASL IEDIDKKHLV LLRDGRTLIG FLRSIDQFAN LVLHQTVERI HVGKKYGDIP RGIFVVRGEN VLLGEIDLE KESDTPLQQV SIEEILEEQR VEQQTKEAE KLKVQALKDR GLSIPRADTL DEY
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

LSM1 LSM1 homolog, U6 small nuclear RNA associated (*S. cerevisiae*) [*Homo sapiens*]

Synonyms

LSM1; LSM1 homolog, U6 small nuclear RNA associated (*S. cerevisiae*); CASM; YJL124C; U6 snRNA-associated Sm-like protein LSM1; cancer-associated Sm-like; small nuclear ribonuclear CaSm

Gene ID

27257

mRNA Refseq

NM_014462

Protein Refseq

NP_055277

MIM

607281

UniProt ID

O15116

**Chromosome
Location**

8p11.2

Pathway

RNA degradation

Function

RNA binding; protein binding

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