

Product datasheet for **AR09672PU-N**

LSM1 (1-133, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	LSM1 (1-133, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MNYMPGTASL IEDIDKKHLV LLRDGRTLIG FLRSIDQFAN LVLHQTVERI HVGKKYGDIP RGIFVVRGEN WVLLGEIDLE KESDTPQQV SIEEILEEQR VEQQTKLEAE KLKQVQALKDR GLSIPRADTL DEY
Tag:	His-tag
Predicted MW:	17.3 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human LSM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_055277</u>
Locus ID:	27257
UniProt ID:	<u>O15116, A0A0S2Z590</u>
Cytogenetics:	8p11.23
Synonyms:	CASM; YJL124C



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Summary:

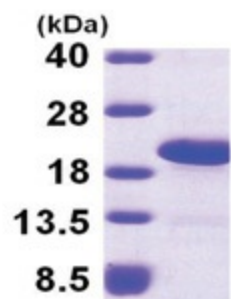
This gene encodes a member of the LSm family of RNA-binding proteins. LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo(U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Increased expression of this gene may play a role in cellular transformation and the progression of several malignancies including lung cancer, mesothelioma and breast cancer. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, Nov 2011]

Protein Families:

Stem cell - Pluripotency

Protein Pathways:

RNA degradation

Product images:

15% SDS-PAGE (3ug)