

Product datasheet for **AR09672PU-L**

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

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | LSM1 (1-133, His-tag) human recombinant protein, 0.5 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 KESDTPLQQV SIEEILEEQR VEQQTKLEAE KLKVVQALKDR 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</u> , <u>A0A0S2Z590</u> |
| Cytogenetics: | 8p11.23 |
| Synonyms: | CASM; YJL124C |



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Summary:

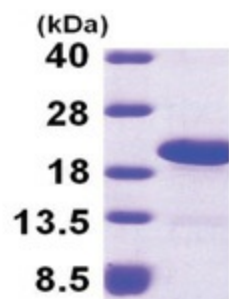
This gene encodes a member of the LSm family of RNA-binding proteins. LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo(U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Increased expression of this gene may play a role 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)