

Recombinant Human LSM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LSM1-618H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LSM1 MS Standard C13 and N15-labeled recombinant protein (NP_055277) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	15.2 kDa
AA Sequence	MNYMPGTASLIEDIDKKHLVLLRDGRTLIGFLRSIDQFANLVLHQTVERIHVGKKYGDIPRGIFVVRGENVVLLGEIDLEKESDTPLQQVSIEEILEEQRVEQQTKLEAEKLVQALKDRGLSIPRADTLDEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LSM1 LSM1 homolog, mRNA degradation associated [Homo sapiens (human)]

Official Symbol LSM1

Synonyms LSM1; LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae); U6 snRNA-associated Sm-like protein LSm1; CASM; YJL124C; small nuclear ribonuclear CaSm; cancer-associated Sm-like protein;

Gene ID 27257

mRNA Refseq NM_014462

Protein Refseq NP_055277

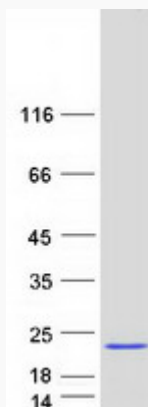
MIM 607281

UniProt ID O15116

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SDS-PAGE

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