

# Recombinant Human LSM2 Protein, GST-tagged

**Cat. No.** LSM2-4611H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human LSM2 full-length ORF (AAH09192.1, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.[supplied by OMIM |
| <b>Molecular Mass</b>   | 36.85 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MLFYFFKSLVGKDVVVELKNDLSICGTLHSVDQYLNILTDISVTDPEKYPHMLSVK<br>NCFIRGSVVRYVQLPADEVDTQLLQDAARKEALQQKQ                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                        |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** LSM2 LSM2 homolog, U6 small nuclear RNA and mRNA degradation associated [ Homo sapiens (human) ]

**Official Symbol** LSM2

**Synonyms** LSM2; LSM2 homolog, U6 small nuclear RNA and mRNA degradation associated; G7B; snRNP; C6orf28; YBL026W; U6 snRNA-associated Sm-like protein LSm2; LSM2 U6 small nuclear RNA and mRNA degradation associated; LSM2 homolog, U6 small nuclear RNA associated; protein G7b; small nuclear ribonuclear protein D homolog; snRNP core Sm-like protein Sm-x5

**Gene ID** <https://www.ncbi.nlm.nih.gov/gene/?term=57819>

**mRNA Refseq** NM\_021177

**Protein Refseq** NP\_067000

**MIM** 607282

**UniProt ID** Q9Y333

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