

## Recombinant Human LSM4 Protein, GST-tagged

**Cat. No.** LSM4-4608H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human LSM4 full-length ORF ( NP_036453.1, 1 a.a. - 139 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>   | 41.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MLPLSLLKTAQNHPMLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFWRM<br>PECYIRGSTIKYLRIPEIIDMVKEEVVAKGRGRGGLQQKQKQKGRGMGGAGRGVF<br>GGRGRGGIPGTGRGQPEKKPGRQAGKQ                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                             |

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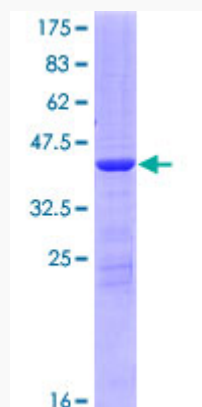
|                         |                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                             |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                    |
| <b>Gene Name</b>        | LSM4 LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae) [ Homo sapiens ]                                                                |
| <b>Official Symbol</b>  | LSM4                                                                                                                                               |
| <b>Synonyms</b>         | LSM4; LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae); U6 snRNA-associated Sm-like protein LSm4; YER112W; glycine-rich protein; GRP; |
| <b>Gene ID</b>          | 25804                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001252129                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001239058                                                                                                                                       |
| <b>MIM</b>              | 607284                                                                                                                                             |
| <b>UniProt ID</b>       | Q9Y4Z0                                                                                                                                             |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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