

# Recombinant Human LSM7 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LSM7-5023H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LSM7 MS Standard C13 and N15-labeled recombinant protein (NP_057283) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. 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. |
| <b>Molecular Mass</b>   | 11.6 kDa                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MADKEKKKKESILDLSKYIDKTIRVKFQGGREASGILKGFDP LLNLVLDGTIEYMRDPD<br>DQYKLTEDTRQLGLVVCRGTSVVLICPQDGMEAIPNPFIQQQDATRTRPLEQKLISEE<br>DLAANDILDYKDDDDKV                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                          |

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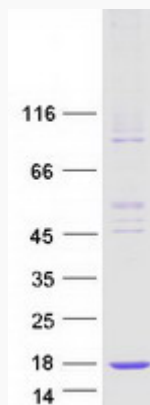
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|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                             |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                           |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                         |
| <b>Gene Name</b>        | LSM7 LSM7 homolog, U6 small nuclear RNA and mRNA degradation associated [ Homo sapiens (human) ]                        |
| <b>Official Symbol</b>  | LSM7                                                                                                                    |
| <b>Synonyms</b>         | LSM7; LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae); U6 snRNA-associated Sm-like protein LSm7; YNL147W; |
| <b>Gene ID</b>          | 51690                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_016199                                                                                                               |
| <b>Protein Refseq</b>   | NP_057283                                                                                                               |
| <b>MIM</b>              | 607287                                                                                                                  |
| <b>UniProt ID</b>       | Q9UK45                                                                                                                  |

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**SDS-PAGE**

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