

Product information

LSM3, 1-102aa

Human, His-tagged, Recombinant, *E.coli*

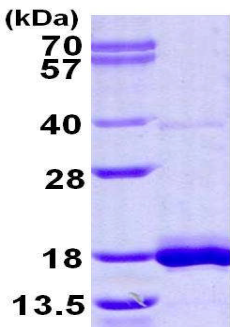
Cat. No. IBATGP1459

Full name: U6 snRNA-associated Sm-like protein

NCBI Accession No.: NP_055278

Synonyms: SMX4, USS2, YLR438C

Description: LSM3 (U6 small nuclear RNA Associated Sm-like protein) belongs to the snRNP Sm proteins family. 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. Recombinant human LSM3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl</p> <p>Molecular Weight: 14.3kDa (125aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMADDVDQ</u> <u>QTTNTVEEP</u> <u>LDLIRLSLDE</u> <u>RIYVKMRNDR</u> <u>ELRGR LHAYD</u> <u>QHLNMI LGDV</u> <u>EETVTTIEID</u> <u>EETYEIYKS</u> <u>TKRNIPMLFV</u> <u>RGDGVVLVAP</u> <u>PLRVG</u></p>	

General references:

Lehner, Ben, *et al.* (2004) *Genome Res.* (United States) 14 (7): 1315–23.

Achsel T., *et al.* (1999) *EMBO J.* 18:5789-5802

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.