

**LSM3, 1-102aa , Human, His tag, E.coli**

**Cat.NO.: TP02850**

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3th Edition

**Synonyms:**U6 snRNA-associated Sm-like protein, 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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl

**Molecular Weight:**14.3kDa (125aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMADDVDQQTTNTVEEPLDLIRLSLDERIYVKMRNDRELRGRLHAYDQHLN  
MILGDVEETVTTIEIDEETYEIYKSTKRNIPMLFVRGDGVVLVAPPLRVG

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.