

**LSM4, 1-139aa, Human, His tag, E.coli**

**Cat.NO.: TP02851**

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3th Edition

**Synonyms:**U6 snRNA-associated Sm-like protein LSm4, YER112W

**Description:**LSM4, also called U6 snRNA-associated Sm-like protein or glycine-rich protein (GRP), forms donutshaped heptameric complexes that are involved in various steps of RNA metabolism. It facilitates RNA protein interactions and structural changes that are required during ribosomal subunit assembly. It binds specifically to the 3'-terminal U-tract of U6 snRNA. Recombinant human LSM4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT

**Molecular Weight:**17.5 kDa (159aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMLPLSLLKTAQNHPMLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFW  
RMPECYIRGSTIKYLRIPDEIIDMVKEEVVAKGRGRGGLQQKQQKGRGMGGAGRGVFGGRGRGGIPGTGRGQP  
EKKPGRQAGKQ

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/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.