

**LSM1, 1-133aa, Human, His tag, E.coli**

**Cat.NO.: TP02848**

---

3th Edition

**Synonyms:**U6 snRNA-associated Sm-like protein LSm1, CASM, Small nuclear ribonuclear CaSm

**Description:**U6 snRNA-associated Sm-like protein LSm1, also known as LSM1 plays a role in replication dependent histone mRNA degradation and binds specifically to the 3'-terminal U-tract of U6 snRNA. LSM1 protein facilitates RNA protein interactions and structural changes that are required during ribosomal subunit assembly. LSM1 is naturally overexpressed in pancreatic cancer as well as in certain breast cancer cell lines.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**17.3kDa (153aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMNYMPGTASLIEDIDKKHLVLLRDGRTLIGFLRSIDQFANLVLHQTVERIHVGKKYG  
DIPRGIFVVRGENVVLLGEIDLEKESDTPLQQVSIEEILEEQRVEQQTKLEAEKLVQALKDRGLSIPRADTLDEY

**Purity:**> 95% by HPLC

**Concentration:**1 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.