

Recombinant Human LSM4, His-tagged

Cat. No. LSM4-3398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LSM4 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 17.5 kDa (159aa).
Species	Human
Source	E.coli
Description	LSM4, also called U6 snRNA-associated Sm-like protein or glycine-rich protein (GRP), forms donut-shaped 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MLPLSLLKTA QNHPMLVELK NGETYNGHLV SCDNWMNINL REVICTSRDG DKFWRMPECY IRGSTIKYLR IPDEIIDMVK EEVVAKGRGR GGLQQQKQKQK GRGMGGAGRG VFGGRGRGGI PGTGRGQPEK KPGRQAGKQ.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways RNA degradation; Spliceosome; Metabolism of RNA

GENE INFORMATION

Gene Name LSM4 LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Homo sapiens]

Synonyms LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae); YER112W; LSM4; U6 snRNA-associated Sm-like protein LSM4; GRP; glycine-rich protein; Glycine-rich protein

Gene ID 25804

mRNA Refseq NM_012321

Protein Refseq NP_036453

MIM 607284

UniProt ID Q9Y4Z0

Chromosome Location 19p13.11

Function RNA binding; protein binding

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