

LSM4 Homolog, U6 Small Nuclear RNA Associated Human Recombi-

Item Number	rAP-5004
Synonyms	U6 snRNA-associated Sm-like protein LSm4, Glycine-rich protein, GRP, LSM4, YER112W.
Description	LSM4 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 159 amino acids (1-139 a.a.) and having a molecular mass of 17.5kDa. The LSM4 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9Y4Z0
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MLPLSLLKTA QNHPMLVELK NGETYNGHLV SCDNWMNINL RE-VICTSRDG DKFWRMPECY IRGSTIKYLR IPDEIIDMVK EEVAKGRGR GGLQQKQKQK GRGMG-GAGRG VFGGRGRGGI PGTGRGQPEK KPGRQAGKQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The LSM4 solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**