

---

## Product Data Sheet

---

Product Name: LSM5 Human  
 Cat. No.: GP23842  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LSM5 homolog; U6 small nuclear RNA associated(S.cerevisiae); YER146W; U6 snRNA-associated Sm-like protein LSm5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAANATT NPSQLLPLEL VDKCIGSRIH IVMKSDKEIV GTLLGFDDFVNMVLEDVTEF EITPEGRRIT KLDQILLNGN NITMLVPGGE GPEV		
Formulation	LSM5 protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.5), 10% glycerol, 0.15M NaCl and 1mM DTT.		

### Introduction

LSM5 also known as LSM5 Homolog, U6 Small Nuclear RNA Associated belongs to the Sm protein family. This family is identified in a variety of organisms based on sequence homology. Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length which folds as a loop. In addition, the Sm-like proteins are thought to create a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing. Among the diseases associated with LSM5 are spinal muscular atrophy, and muscular atrophy.

### Stability

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.

### Background

LSM5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 114 amino acids (1-91 a.a) and having a molecular mass of 12.3kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA