
Product Data Sheet

Product Name: LSM2 Human
 Cat. No.: GP23839
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LSM2 homolog U6 small nuclear RNA associated (<i>S. cerevisiae</i>); Small nuclear ribonuclear protein D homolog; chromosome 6 open reading frame 28; snRNP core Sm-like protein Sm-x5; C6orf28; YBL026W; Protein G7b; snRNP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSFMLFY SF FKSLVGKDVV VELKNDLSIC GTLHSVVDQYL NIKLTDISVT DPEKYPHMLS VKNCFIRGSV VRYVQLPADE VDTQLLQDAA RKEALQQKQ		
Formulation	The LSM2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 5mM DTT and 40% glycerol.		

Introduction

LSM2 is a member of the snRNP Sm proteins family. Sm-like proteins are branded in several organisms based on sequence homology with the Sm protein family. Sm-like proteins hold the Sm sequence motif that is made up of 2 regions separated by a linker of variable length which folds as a loop. The Sm-like proteins are believed to create a steady heteromer present in tri-snRNP particles, which are vital for pre-mRNA splicing. LSM2 binds specifically to the 3'-terminal U-tract of U6 snRNA and takes part in pre-mRNA splicing.

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

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

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LSM2 Human Recombinant produced in E. coli is a single polypeptide chain containing 119 amino acids (1-95) and having a molecular mass of 13.4kDa. LSM2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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