
Product Data Sheet

Product Name: LSM3 Human
 Cat. No.: GP23840
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LSM3 homolog U6 small nuclear RNA associated (<i>S. cerevisiae</i>); U6 snRNA-associated Sm-like protein LSm3; SMX4; USS2; YLR438C.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMADDVDQ QTTNTVEEP LDLIRLSLDE RIYVKMRNDR ELRGRLHAYD QHLNMILGDV EETVTTIEID EETYEIYKS TKRNIPMLFV RGDGVVLVAP PLRVG		
Formulation	The LSM3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 20% glycerol.		

Introduction

LSM3 is a member of snRNP Sm proteins family which were identified in a large number of organisms based on sequence homology. Sm-like proteins have a Sm sequence motif that holds 2 regions detached by a linker of variable length that fold as a loop. The Sm-like proteins form a stable heteromer found in tri-snRNP particles that are vital for 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

LSM3 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 125 amino acids (1-102) and having a molecular mass of 14.3kDa. LSM3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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