9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LSM1 Human

LSM1 Homolog, U6 Small Nuclear RNA Associated Human Recombinant
RCP1269

Product Overview

Name	LSM1 Human
Description	
LSM1 Homolog, U6 Small Nuclear RNA Associated Human Recombinant	
Accession (Primary)	O15116
Synonyms	
U6 snRNA-associated Sm-like protein LSm1, Cancer-associated Sm-like, Small nuclear ribonuclear CaSm, LSM1, CASM, YJL124C.	
Introduction	
U6 snRNA-associated Sm-like protein LSm1 (LSM1) has a role in replication-dependent histone mRNA degradation and binds specifically to the 3''-terminal U-tract of U6 snRNA. Sm-like proteins include the Sm sequence motif, which consists of two regions separated by a linker of variable length that folds as a loop. The LSM1 protein facilitates RNA protein interactions and structural modifications which are required during ribosomal subunit assembly. The Sm-like proteins are believed to form a stable heteromer present in tri-snRNP particles, which are vital for pre-mRNA splicing. LSM1 is overexpressed in pancreatic cancer as well as in several breast cancer cell lines.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The LSM1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 1mM DTT, 10% glycerol and 0.1M NaCl.	
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). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MNYMPGTASL IEDIDKKHLV LLRDGRTLIG FLRSIDQFAN LVLHQTVERI HVGKKYGDIP RGIFVVRGEN VVLLGEIDLE KESDTPLQQV SIEEILEEQR VEQQTKLEAE KLKVQALKDR	

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GLSIPRADTL DEY.

Precautions

LSM1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15116)