

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11

info-de@origene.com

Schillerstr. 5

AR50301PU-S Human LSM2 (1-95, His-tag) - Purified

Alternate names: C6orf28, G7B, Small nuclear ribonuclear protein D homolog, U6 snRNA-associated Sm-

like protein LSm2, snRNP core Sm-like protein Sm-x5

Quantity: 0.1 mg

Concentration: 0.5mg/ml (determined by Bradford assay)

Background: LSM2 (U6 snRNA-associated Sm-like protein LSm2) belongs to the snRNP Sm proteins

family. Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in trisnRNP particles, which are important for pre-mRNA splicing. LSM2 binds specifically

to the 3'-terminal U-tract of U6 snRNA. It is involved in pre-mRNA splicing.

Uniprot ID: <u>Q9Y333</u>

NCBI: NP 067000

GeneID: 57819
Species: Human
Source: E. coli

Format: State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol,

200mM NaCl

Description: Recombinant human LSM2 protein, fused to His-tag at N-terminus, was expressed in

E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMLFYSF FKSLVGKDVV VELKNDLSIC GTLHSVDQYL NIKLTDISVT DPEKYPHMLS VKNCFIRGSV VRYVQLPADE VDTQLLQDAA RKEALQQKQ

Molecular weight: 13.4 kDa (119aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

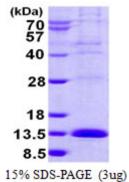
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Lehner, Ben, et al. (2004) Genome Res. (United States) 14 (7): 1315-23. Achsel T., et al.

(1999) EMBO J. 18:5789-5802



Pictures:



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