

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

<b>Alternate names:</b>	C6orf28, G7B, Small nuclear ribonuclear protein D homolog, U6 snRNA-associated Sm-like protein LSm2, snRNP core Sm-like protein Sm-x5
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5mg/ml (determined by Bradford assay)
<b>Background:</b>	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 tri-snRNP 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.
<b>Uniprot ID:</b>	<a href="#">Q9Y333</a>
<b>NCBI:</b>	<a href="#">NP_067000</a>
<b>GeneID:</b>	<a href="#">57819</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol, 200mM NaCl
<b>Description:</b>	Recombinant human LSM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> MGSSHHHHH SSGLVPRGSH MGSMLFYSF FKSLVGKDVV VELKNDLSIC GTLHSVDQYL NIKLTDISVT DPEKYPHMLS VKNCFIRGSV VRYVQLPADE VDTQLLQDAA RKEALQQKQ <b>Molecular weight:</b> 13.4 kDa (119aa), confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	Lehner, Ben, et al. (2004) Genome Res. (United States) 14 (7): 1315-23. Achsel T., et al. (1999) EMBO J. 18:5789-5802

Pictures:

