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Datasheet for ABIN7319138 LSM4 Protein (His tag)

Overview

Quantity:	50 µg
Target:	LSM4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LSM4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LSM4 Protein (His Tag)
Sequence:	Met 1-Gln139
Characteristics:	Recombinant Human U6 snRNA-Associated Sm-Like Protein LSm4 is produced by our E.coli expression system and the target gene encoding Met1-Gln139 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LSM4
Alternative Name:	LSM4 (LSM4 Products)
Background:	Background: U6 snRNA-associated Sm-like protein LSm4 (LSM4) is a member of the snRNP Sm proteins family. Sm-like proteins contain the Sm sequence motif and are thought to form a

Target Details

stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing. LSM4 forms a heteromer with a donut shape. The complexes are involved in various steps of RNA metabolism. LSM4 binds specifically to the 3-terminal U-tract of U6 snRNA. LSM4 contributes RNA protein interactions and structural changes which are essential during ribosomal subunit assembly.

Synonym: U6 snRNA-Associated Sm-Like Protein LSm4, Glycine-Rich Protein, GRP, LSM4

Molecular Weight: 17.5 kDa

UniProt: [Q9Y4Z0](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, pH 8.0 .

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.