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Datasheet for ABIN7319137 LSM1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	LSM1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LSM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LSM1 Protein (His Tag)
Sequence:	Met 1-Tyr133
Characteristics:	Recombinant Human U6 snRNA-Associated Sm-Like Protein LSm1 is produced by our E.coli expression system and the target gene encoding Met1-Tyr133 is expressed with a 6His tag at the C-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:	LSM1
Alternative Name:	LSM1 (LSM1 Products)
Background:	Background: U6 snRNA-Associated Sm-Like Protein LSm1 (LSM1) belongs to the snRNP Sm proteins family. The Sm-like proteins are thought to form a stable heteromer present in tri-

Target Details

snRNP particles, which plays an important role in pre-mRNA splicing. LSM1 binds specifically to the 3-terminal U-tract of U6snRNA. LSM1 can interact with SLBP when histone mRNA is being rapidly degraded during the S phase. In addition, LSM1 is associated with cellular transformation and the progression of several malignancies including mesothelioma, lung cancer and breast cancer.

Synonym: U6 snRNA-Associated Sm-Like Protein LSm1, Cancer-Associated Sm-Like, Small Nuclear Ribonuclear CaSm, LSM1, CASM

Molecular Weight: 16.2 kDa

UniProt: [O15116](#)

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 PB, 150 mM NaCl, pH 7.2.

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.