



Recombinant Protein Technical Manual

Recombinant Human LSM1 Protein (His Tag)

RPES1804

Product Data:

Product SKU: RPES1804

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O15116

Protein Information:

Molecular Mass: 16.2 kDa

AP Molecular Mass: 19 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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

Application:

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

Immunogen Information:

Sequence: Met 1-Tyr133

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-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.