

## LSM10 抗原（重组蛋白）

中文名称：LSM10 抗原（重组蛋白）

英文名称：LSM10 Antigen (Recombinant Protein)

别名：LSM10, U7 small nuclear RNA associated; MST074; MSTP074

储存：冷冻（-20℃）

相关类别：抗原

### 概述

Fusion protein corresponding to a region derived from 1-123 amino acids of human LSM10

### 技术规格

<b>Full name:</b>	LSM10, U7 small nuclear RNA associated
<b>Synonyms:</b>	MST074; MSTP074
<b>Swissprot:</b>	Q969L4
<b>Gene Accession:</b>	BC007623
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	LSm10 (U7 snRNA-associated Sm-like protein LSm10) is a nuclear protein that belongs to the snRNP (small nuclear ribonucleoproteins) Sm protein family. The survival of motor neurons (SMN) complex mediates the assembly of snRNPs involved in splicing and histone RNA processing. A crucial step in this process is the binding of Sm proteins onto the SMN protein. LSm10 and LSm11, mammalian homologs of the yeast Sm proteins D1 and D2, are impor

tant for U7 snRNP function and subcellular localization. U7 snRNP is an RNA molecule involved in the splicing of animal histone pre-mRNAs. Lsm10 and Lsm11 also associate with pICln (Chloride ion current inducer protein), which interacts with Sm proteins to inhibit their assembly on U RNA. LSm10 interactions with U7 snRNA and pICln may provide the means for using modified U7 snRNA derivatives to alter specific pre-mRNA splicing events, potentially leading to advances in antisense gene therapy.