

## LSM11 抗原（重组蛋白）

中文名称： LSM11 抗原（重组蛋白）

英文名称： LSM11 Antigen (Recombinant Protein)

别名： LSM11, U7 small nuclear RNA associated

相关类别： 抗原

储存： 冷冻（-20℃）

### 概述

Fusion protein corresponding to a region derived from 161-360 amino acids of human LSM11

### 技术规格

<b>Full name:</b>	LSM11, U7 small nuclear RNA associated
<b>Swissprot:</b>	P83369
<b>Gene Accession:</b>	BC126449
<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>	Sm and Sm-like (LSm) proteins form donut-shaped, ubiquitously expressed heptameric complexes that are involved in various steps of RNA metabolism, including RNA-protein interactions and structural changes that are required during ribosomal subunit assembly. LSm11 is a 360 amino acid protein that localizes to the nucleus and belongs to the LSm subfamily of snRNP Sm proteins. Containing an N-terminal domain that is necessary for pre-mRNA cleavage, LSm11 functions to binds specifically to U7 snRNA and is thought to play a role in cell cycle regulation and cell growth. The gene encoding LSm11 maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human

genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.