

Recombinant human LSM4 protein

Catalog Number: ATGP0860

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-139aa

UniProt No.

Q9Y4Z0

NCBI Accession No.

NP_036453

Alternative Names

u6 snRNA-associated Sm-like protein LSm4, YER112W

PRODUCT SPECIFICATION

Molecular Weight

17.5 kDa (159aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LSM4, also called u6 snRNA-associated Sm-like protein or glycine-rich protein (GRP), forms donut-shaped heptameric complexes that are involved in various steps of RNA metabolism. It facilitates RNA protein interactions and structural changes that are required during ribosomal subunit assembly. It binds specifically to the 3'-terminal u-tract of u6 snRNA. Recombinant human LSM4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MLPLSLLKTA QNHPMLVELK NGETYNGHLV SCDNWMNINL REVICTSRDG
DKFWRMPECY IRGSTIKYLR IPDEIIDMVK EEVAKGRGR GGLQQKQK GRGMGGAGRG VFGGRGRGGI PGTGRGQPEK
KPGRQAGKQ

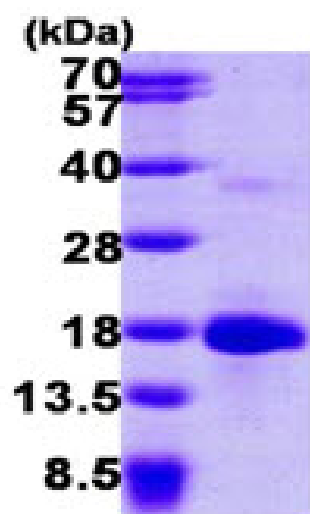
General References

Hirsch E., et al. (2000), Mol. Cell. Biol., 20: 1055-1062.

Brahms H., et al. (2001). RNA., 7: 1531-1542

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)