Recombinant human LSM5 protein

Catalog Number: ATGP2376

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-91aa

UniProt No.
Q9Y4Y9

NCBI Accession No.
NP_036454

Alternative Names
u6 snRNA-associated Sm-like protein LSm5 isoform a, LSM5 homolog, u6 small nuclear RNA associated (S.cerevisiae), YER146W

PRODUCT SPECIFICATION

Molecular Weight
12.3 kDa (114aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 10% glycerol, 0.15M NaCl, 1mM DTT

Purity
> 95% 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
Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing. Recombinant human LSM5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

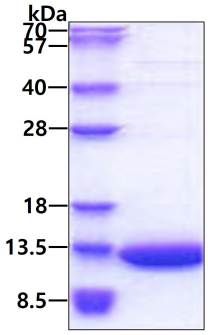
<MGSSHHHHHH SSGLVPRGSH MGS>MAANATT NPSQLLPLEL VDKCIGSRIH IVMKSDKEIV GTLLGFDDFV NMVLEDVTEF EITPEGRRIT KLDQILLNGN NITMLVPGGE GPEV

General References

Salgado-Garrido J., Bragado-Nilsson E. et al. (1999), EMBO J. 18:3451-3462

DATA

SDS-PAGE



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