

LSM5, 1-91aa, Human, His tag, E.coli

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3th Edition

Synonyms:U6 snRNA-associated Sm-like protein LSm5 isoform a, LSM5 homolog, U6 small nuclear RNA associated (*S.cerevisiae*), YER146W

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.

Form:Liquid. In 20mM Tris-HCl(pH 8.5) containing 10% glycerol, 0.15M NaCl, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMANATTNPSQLLPLELVDKCIGSRIHIVMKSDKEIVGTLLGFDDFVNMVLED
VTEFEITPEGRRITKLDQILLNGNNITMLVPGGEGPEV

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.