

Recombinant Human LSM5 homolog, U6 small nuclear RNA associated (*S. cerevisiae*), His-tagged

Cat. No. LSM5-293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LSM5, 1-91aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-91 a.a.
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 Mass	12.3 kDa (114aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMANATT NPSQLLPLEL VDKCIGSRIH IVMKSDKEIV GTLLGFDDFV NMVLEDVTEF EITPEGRRIT KLDQILLNGN NITMLVPGGE GPEV

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	LSM5 LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Homo sapiens]
Official Symbol	LSM5
Synonyms	LSM5; LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae); U6 snRNA-associated Sm-like protein LSm5; YER146W; FLJ12710;
Gene ID	23658
mRNA Refseq	NM_001130710
Protein Refseq	NP_001124182
MIM	607285
UniProt ID	Q9Y4Y9
Chromosome Location	7p14.3
Pathway	Deadenylation-dependent mRNA decay, organism-specific biosystem; Gene Expression, organism-specific biosystem; Lsm 1-7 complex, organism-specific

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biosystem; Lsm 2-8 complex, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem; Spliceosome, organism-specific biosystem;

Function

RNA binding; protein binding;

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