Recombinant Human LSM5 293 Cell Lysate

Cat. No. LSM5-9172HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

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	organism-specific biosystem;
Function	RNA binding; protein binding;

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