Recombinant Human LSM2 293 Cell Lysate

Cat. No. LSM2-9175HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM2) 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	LSM2?LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Homo sapiens?(human)]
Official Symbol	LSM2
Synonyms	LSM2; LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae); G7B; snRNP; C6orf28; YBL026W; U6 snRNA-associated Sm-like protein LSm2; protein G7b; snRNP core Sm-like protein Sm-x5; small nuclear ribonuclear protein D homolog
Gene ID	57819
mRNA Refseq	NM_021177
Protein Refseq	NP_067000
MIM	607282
UniProt ID	Q9Y333
Chromosome Location	6p21.3
Pathway	Deadenylation-dependent mRNA decay, organism-specific biosystem; Lsm 1-7 complex, organism-specific biosystem; RNA degradation, conserved biosystem

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Function	U6 snRNA binding; poly(A) RNA binding; protein binding; protein kinase binding

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