Recombinant Human RNPS1 293 Cell Lysate

Cat. No. RNPS1-2259HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for RNA binding protein S1, serine-rich domain (RNPS1), transcript variant 2 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	RNPS1 RNA binding protein S1, serine-rich domain [Homo sapiens]
Official Symbol	RNPS1
Synonyms	RNPS1; RNA binding protein S1, serine-rich domain; RNA binding protein S1, serine rich domain; RNA-binding protein with serine-rich domain 1; SR protein; SR-related protein LDC2; RNA-binding protein S1, serine-rich domain; E5.1; MGC117332;
Gene ID	10921
mRNA Refseq	NM_080594
Protein Refseq	NP_542161
MIM	606447
UniProt ID	Q15287
Chromosome Location	16p13.3
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Exon junction complex (EJC), organism-specific biosystem; Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated

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	Decay, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem;
Function	RNA binding; mRNA 3-UTR binding; nucleotide binding; protein binding;

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