Recombinant Human SNRPG 293 Cell Lysate

Cat. No. SNRPG-1611HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for small nuclear ribonucleoprotein polypeptide G (SNRPG) 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	SNRPG small nuclear ribonucleoprotein polypeptide G [Homo sapiens]
Official Symbol	SNRPG
Synonyms	SNRPG; small nuclear ribonucleoprotein polypeptide G; small nuclear ribonucleoprotein G; Sm G; snRNP-G; sm protein G; SMG; Sm-G; MGC117317;
Gene ID	6637
mRNA Refseq	NM_003096
Protein Refseq	NP_003087
MIM	603542
UniProt ID	P62308
Chromosome Location	2p13.3
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of non-coding RNA, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Processing of Capped Intronless Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific

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	biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem;
Function	RNA binding; protein binding;

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