Recombinant Human NSUN2 293 Cell Lysate

Cat. No. NSUN2-3684HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NOP2/Sun domain family, member 2 (NSUN2) 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	NSUN2 NOP2/Sun domain family, member 2 [Homo sapiens]
Official Symbol	NSUN2
Synonyms	NSUN2; NOP2/Sun domain family, member 2; NOL1/NOP2/Sun domain family 2 , NOL1/NOP2/Sun domain family, member 2; tRNA (cytosine(34)-C(5))-methyltransferase; FLJ20303; Misu; Myc induced SUN domain containing protein; TRM4; tRNA methyltransferase 4 homolog (S. cerevisiae); hTrm4; NOL1/NOP2/Sun domain family 2; tRNA methyltransferase 4 homolog; substrate of AIM1/Aurora kinase B; 5-methycytoisine methyltransferase; NOL1/NOP2/Sun domain family member 2; NOL1/NOP2/Sun domain family, member 2; Myc-induced SUN-domain-containing protein; myc-induced SUN domain-containing protein; tRNA (cytosine-5-)-methyltransferase NSUN2; MISU; SAKI;
Gene ID	54888
mRNA Refseq	NM_001193455
Protein Refseq	NP_001180384
MIM	610916
UniProt ID	Q08J23
Chromosome	5p15.32

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Location	
Pathway	Aurora B signaling, organism-specific biosystem;
Function	methyltransferase activity; tRNA (cytosine-5-)-methyltransferase activity; tRNA binding; transferase activity;

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