

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-methylcytosine 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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