

Recombinant Full Length Human NSUN2 Protein, N-Flag-tagged

Cat. No. NSUN2-18HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NSUN2 Protein, fused to Flag-tag at N-terminus, was expressed in Baculovirus.
Species	Human
Source	Insect Cells
Description	NSUN2 (NOP2/Sun Domain Family, Member 2), also called as TRM4 (tRNA Methyltransferase 4 Homolog), is a member of NSUN family. It's a RNA methyltransferase that methylates tRNAs, and possibly RNA polymerase III transcripts. NSUN2 also methylates cytosine to 5-methylcytosine (m5C) at positions 34 and 48 of introncontaining tRNA(Leu)(CAA) precursors, and at positions 48, 49 and 50 of tRNA(Gly)(GCC) precursors. It may act downstream of Myc to regulate epidermal cell growth and proliferation. NSUN2 is required for proper spindle assembly and chromosome segregation, independently of its methyltransferase activity.
Form	Recombinant NSUN2 protein is supplied in 25 mM HEPES-NaOH pH7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Molecular Mass	88.1 kDa
Purity	>80%

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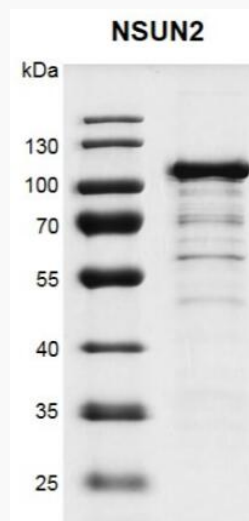
Applications	Recombinant NSUN2 protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.3 ug/ul
Full Length	Full L.
GENE INFORMATION	
Gene Name	NSUN2 NOP2/Sun RNA methyltransferase 2 [Homo sapiens (human)]
Official Symbol	NSUN2
Synonyms	MISU; MRT5; SAKI; TRM4
Gene ID	54888
mRNA Refseq	NM_017755.6
Protein Refseq	NP_060225.4
MIM	610916
UniProt ID	Q08J23

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SDS-PAGE



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