

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

Cat. No. NSUN2-1126HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NSUN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a methyltransferase that catalyzes the methylation of cytosine to 5-methylcytosine (m5C) at position 34 of intron-containing tRNA(Leu)(CAA) precursors. This modification is necessary to stabilize the anticodon-codon pairing and correctly translate the mRNA. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	86.3 kDa
AA Sequence	MGRRSRGRRLQQQQRPEDAEDGAEGGGKRGEGAGWEGGYPEIVKENKLFHHYYQ ELKIVPEGEWGQFMDAL REPLPATLRITGYKSHAKEILHCLKNKYFKELEDLEVDGQ KVEVPQPLSWYPEELAWHTNLSRKILRKSP HLEKFHQFLVSETESGNISRQEAVSMI PPLLLNVRPHHKILDMCAAPGSKTTQLIEMLHADMNVPFPEGF VIANDVDNKRCYLL VHQAKRLSSPCIMVVNHDASSIPRLQIDVDGRKEILFYDRILCDVPCSGDGTMRKN ID VWKKWTTLNSLQLHGLQLRIATRGAEQLAEGGRMVYSTCSLNPIEDEAVIASLLEKS EGALELADVSN ELPGLKWMPGITQWKVMTKDGQWFTDWDVPHSRHTQIRPTMF

 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

PPKDPEKLQAMHLERCLRILPHHQNTG GFFVAVLVKKSSMPWNKRQPKLQGKSAE
TRESTQLSPADLTEGKPTDPSKLESPSFTGTGDTEIAHATED LENNGSKKDGVCGP
PPSKMKMLFGFKEDPFVFIPEDDPLFPPIEKFYALDPSFPRMNLTRTTEGKKRQL Y
MVSKELRNVLLNNSEKMKVINTGIKVVCRNNSGEEFDCAFRLAQEGIYTLYPFINSRII
TVSMEDVKIL LTQENPFFRKLSSSETYSQAKDLAKGSIVLKYEPDSANPDALQCPIVLC
GWRGKASIRTFVVPKNERLHYLR MMGLEVLGEKKKEGVILTNEAASTGQPDNDVTE
GQRAGEPNSPDAEEANSPDVTAGCDPAGVHPPTTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

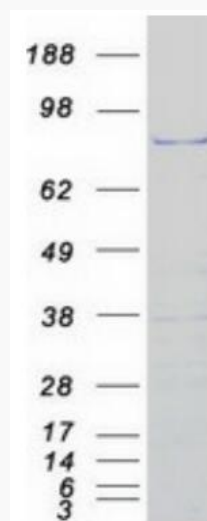
Gene Name	NSUN2 NOP2/Sun RNA methyltransferase 2 [Homo sapiens (human)]
Official Symbol	NSUN2
Synonyms	MISU; MRT5; SAKI; TRM4

 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

Gene ID	54888
mRNA Refseq	NM_017755.6
Protein Refseq	NP_060225.4
MIM	610916
UniProt ID	Q08J23



Coomassie blue staining of purified NSUN2 protein.