

Product datasheet for PH314459

NSUN2 (NM_017755) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NSUN2 MS Standard C13 and N15-labeled recombinant protein (NP_060225)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214459
Predicted MW:	86.3 kDa
Protein Sequence:	>RC214459 representing NM_017755 Red=Cloning site Green=Tags(s)

MGRRSRGRRLQQQRPEDAEDGAEGGGKRGEAGWEGGYPEIVKENKLFHYQELKIVPEGEWGFMDAL
REPLPATLRITGYKSHAKEILHCLKNKYFKELEDLEVDGQKVEVPQPLSWYPEELAWHTNLSRKILRKSP
HLEKFHQFLVSETESGNI SRQEAVSMIPPLLLNVRPHHKILDMCAAPGSKTTQLIEMLHADMNVPFPEGF
VIANDVDNKRCYLLVHQAKRLSSPCIMVNVHDASSIPRLQIDVDGRKEILFYDRILCDVPCSGDGTMRKN
IDVWKKWTTLNSLQLHGLQLRIATRGAELAEGRMVYSTCSLNPIEDEAVIASLLEKSEGALELADVSN
ELPGLKWMGITQWKVMTKDGQWFTDWDVPHSRHTQIRPTMFPKDPKLEQAMHLERCLRILPHHQNTG
GFFVAVLVKKSMPWNKRQPKLQKSAETRESTQLSPADLTEGKPTDPSKLESPSFTGTGDTEIAHATED
LENNGSKKDGVCPPPSKMKLFGFKEDPFVFIPEDDPLFPPIEKFYALDPSFPRMNLTRTTEGKKRQL
YMSKELRNVLNNSKMKVINTGKIVWCRNNSGEEFDCAFRLAQEGIYLYPFINSRIITVSMEDVKIL
LTQENPFFRKLSSSETYSQAKDLAKGSIVLKYEPDSANPDALQCPVLCGWRGKASIRTFVPKNERLHYLR
MMGLEVLGEKKKEGVILTNEAASTGQPDNDVTEGQRAGEPNSPDAEEANSPDVTAGCDPAGVHPPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060225

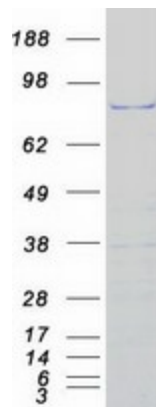


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RefSeq Size:	3089
RefSeq ORF:	2301
Synonyms:	MISU; MRT5; SAKI; TRM4
Locus ID:	54888
UniProt ID:	Q08J23
Cytogenetics:	5p15.31

Summary: 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.[provided by RefSeq, Mar 2011]

Product images:



Coomassie blue staining of purified NSUN2 protein (Cat# [TP314459]). The protein was produced from HEK293T cells transfected with NSUN2 cDNA clone (Cat# [RC214459]) using MegaTran 2.0 (Cat# [TT210002]).