

Product datasheet for **RG231394**

NSUN2 (NM_001193455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN2 (NM_001193455) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSUN2
Synonyms:	MISU; MRT5; SAKI; TRM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG231394 representing NM_001193455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCGGTCGCGGGTCCAGCAACAGCAGCGCGCGGAGGACGCGGAGGATGGCGCCG
 AGGGTGGTGAAAAGCGCGCGAGGCGGGCTGGGAAGGAGGCTACCCGAGATCGTCAAGGAGAACAAGCT
 GTTCGAGCACTACTACCAGGAGCTCAAGATCGTCCCGAGGGCGAGTGGGGCCAGTTCATGGACGCTCTC
 AGGGAGCCGCTCCCGCCACTTTAAGAATTACTGGTTACAAAAGGTATCCTGAAGAACTGCCTGGCACA
 CAAATTTAAGTCGAAAAATCTTGAGAAAAATCGCCACACTTGAAAAAGTTTCATCAGTTTCTAGTTAGTGA
 AACAGAATCTGAAAAATTAGTCGTCAAGAAGCTGTTAGCATGATCCACCCTGCTCCTCAACGTGCGG
 CCTCATCATAAGATCTTAGATATGTGTGCAGCACCTGGCTCAAAGACCACACAGTTAATTGAAATGCTAC
 ATGCCGACATGAATGTCCCTTTCCAGAGGGATTTGTTATTGCGAATGATGTGGACAACAAGCGCTGCTA
 CCTGCTCGTCCATCAAGCCAAGAGGCTGAGCAGCCCCTGCATCATGGTGGTCAACCATGATGCCTCCAGC
 ATACCCAGGCTCCAGATAGATGTGGACGCGAGGAAAGAGATCCTCTTCTATGATCGAATTTTATGTGATG
 TCCTTGCAGTGGAGACGGCACTATGAGAAAAACATTGATGTTTGGAAAAAGTGGACCCTTAAATAG
 CTTGCAGCTACATGGCTTACAGCTGCGGATTGCAACACGCGGGGCTGAACAGCTGGCTGAAGGTGGAAGG
 ATGGTGTATTCCACGTGTTCACTAAACCCTATTGAGGATGAAGCAGTCATAGCATCTTACTGAAAAAAA
 GTGAAGGTGCTTTGGAGCTTGCTGATGTGTCTAATGAACTGCCAGGGCTGAAGTGGATGCCTGGAATCAC
 ACAGTGAAGGTAATGACGAAAGATGGGCAGTGGTTTACAGACTGGGACGCTGTTCTCACAGCAGACAC
 ACCCAGATCCGACCTACCATGTTCCCTCCGAAGGACCCAGAAAAGCTGCAGGCCATGCACCTGGAGCGAT
 GCCTTAGGATATTACCCATCATCAGAATACTGGAGGGTTTTTTGTGGCAGTATTGGTGAATAAATCTTC
 AATGCCGTGGAATAAACGTCAGCCAAGCTTCAGGGTAAATCTGCAGAGACCAGAGAAAAGCACACAGCTG
 AGCCCTGCAGATCTCACAGAAGGAAAACCCACAGATCCCTCTAAGCTGGAAGTCCGTCATTACAGGAA
 CTGGTGACACAGAAATAGCTCATGCAACTGAGGATTTAGAGAATAATGGCAGTAAGAAAGATGGCGTGTG
 TGGTCTCCTCCATCAAAGAAAATGAAGTTATTTGGATTTAAAGAAGATCCATTTGTATTTATTCCTGAA
 GATGACCCATTATTTCCACCTATTGAGAAATTTATGCTTTGGATCCTTCATTCCAAGGATGAATTTGT
 TAACTCGGACTACAGAAGGGAAGAAAAGGCAGCTCTACATGGTTTCTAAGGAGTTGCGGAATGTGCTGCT
 GAATAACAGTGAGAAGATGAAGTTATTAACACGGGGATCAAAGTCTGGTGTAGAATAACAGCGGTGAA
 GAGTTTGACTGTGCTTTCCGGCTGGCACAGGAGGAATATATACATTGTATCCATTTATTAACCAAGAA
 TTATTACTGTATCAATGGAAGATGTTAAGATACTGTTGACCCAGGAAAATCCCTTTTTTAGAAAACCTCAG
 CAGTGAGACCTACAGTCAAGCAAAGGACCTGGCAAAGGGAAGCATCGTGCTGAAGTATGAACCAGATTCT
 GCGAATCCAGACGCTCTGCAGTGTCCCATCGTCTTATGCGGATGGCGGGGAAAGGCTCCATTCCAAGCTT
 TTGTGCCCAAGAATGAACGGCTTCAATTCTCAGGATGATGGGGCTGGAGGTATTGGGAGAAAAGAAGAA
 GGAAGGGGTTATCCTCACAAATGAGAGTGCAGCCAGCACCCGACAGCCAGACAATGACGTGACTGAGGGA
 CAGAGAGCAGGAGAGCCCAACAGCCCAGATGCAGAAGAGGCCAACAGTCCAGACGTGACAGCAGGCTGTG
 ACCCGCGGGGGTCCATCCACCCGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001193455.2](#)

RefSeq Size: 3284 bp

RefSeq ORF: 2199 bp

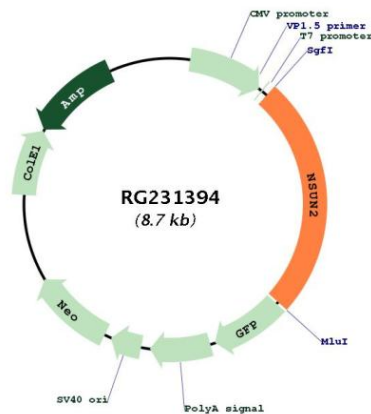
Locus ID: 54888

UniProt ID: [Q08J23](#)

Cytogenetics: 5p15.31

Gene 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:



Circular map for RG231394