

## Product datasheet for **RC231394L3V**

### NSUN2 (NM\_001193455) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | NSUN2 (NM_001193455) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                    |
| Symbol:                   | NSUN2                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | MISU; MRT5; SAKI; TRM4                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCN:                     | NM_001193455                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:                 | 2196 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC231394).                                                                                                                                                                                                                                                                                                                                                                                     |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                               |
| RefSeq:                   | <a href="#">NM_001193455.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:               | 2199 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 54888                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:               | <a href="#">Q08J23</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 5p15.31                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MW:                       | 82.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                           |


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**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]