

## Product datasheet for **MC216349**

### **Nsun5 (NM\_145414) Mouse Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                               |
| Product Name:      | Nsun5 (NM_145414) Mouse Untagged Clone            |
| Tag:               | Tag Free  |
| Symbol:            | Nsun5   |
| Synonyms:          | 9830109N13Rik; AI326939; Nol1r; Wbscr20; Wbscr20a |
| Vector:            | pCMV6-Entry (PS100001)                            |
| E. coli Selection: | Kanamycin (25 ug/mL)                              |
| Cell Selection:    | Neomycin  |



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**Fully Sequenced ORF:** >MC216349 representing NM\_145414  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCTGTACGCGGCCCGCGGGCTGCTGGCCGGCTGAAAGCCGCCAGGGCTCCCTCAAGGGGT  
 TGGTGTATTCCAGCAACTTCCAGAACCTGAAGCAGTTGTACGCTCTGGTGTGCGAGACGCAGCGCTACTC  
 GGCGTGTGACGCTGTATCGCCAGTCTGGGCTCCTTCGCGCCGAGAAGAAGCTGAGACCGCACCTT  
 GCCAAGGTGCTAGTGTATGAATTATTGCTGGGGAAGGGTTTCGAGGGGGTGGAGCCGATGGAAGGCTC  
 TGCTGGGCGGCCACAGGCAAGGCTCAAGGCTGAGCTGGCCGACTCAAGGTTTCATCGGGGTGTAGCCG  
 AAATGAGGACCTGTTGCAAGAGAGCTCCAGACCTGGCCAAGCCTACCAGGTACCACGGTTCGTGCGTGTG  
 AACACGCTCAAGACCCGCCCTGAGGATGCAATCGATTATTTCAAGAGACAAGGTTTCTCCTACCAGGGTC  
 GGGCTTCCAGCCTGGAAGACTTGCAGCTCTCAAGGGGCAGCATTTTCTTTGGATCCCTTGCTGCCTGA  
 GCTTCTGTATTTCTGCACAGACAGATCTGCACGAGCATCCACTCTACCGTGTGGCCATCTCATCCTG  
 CAGGACAAGGCCAGCTGCCTCCCAGCCATGCTGCTGTCCCCCGCCAGGCTCCCATGTCATTGATGCCT  
 GTGCTGCCCTGGTAACAAGACCAGCTACATTGCAGCCCTTCTAAAGAACCAGGGGAAGATCTTTGCTTT  
 CGACCAGGACGCTAAGCGGCTGGCAGCCATGGCGACGTTGGTGGCTCGGGCTGGGGTCTCTTGCTGCGAG  
 TTAGCAGAGAAGGACTTCTGACAGTCTCTCCCTTGACCAGCGTTACAGCCAGGTCCAGTACATCTTGC  
 TGGATCCTTCTGTAGTGGCTCTGGCATGTGAGCCGGCAGCTGGAGGAACATGGGGAAGGCACACCTAG  
 CAAGGAGCGCTTGAGGCCTTGGCCGGTTCAGCAGCGGGCTCTGTGCCATGCATTAAGTTCCCTCT  
 CTGCAGCGCTAGTCTACTCCACGTGTTCCCTTGGCAAGAAGAGAATGAAGACGTGGTCCAGGAGGCTC  
 TACAGACAACCTCGGGGACATTCAGTTGGCTCCTGCTCCTACCCACATGGCCTCACCGAGGCTGAGTAC  
 CTTTCCAGGGTCTGAACACTGCCTCCGGGCTTCCCTGAGACCACGCTCACTGGTGGCTTCTTCATTGCT  
 GTGTTTGAACGTGCAGAGGTGGTACCAACCCAGCCCCACAGACCAGTGAATGGATCCAGAACCTCTCA  
 GCCAAGTCCCAAAGAGAAAGAGAAGACGCAAGCAGCAGTTGGTCCAGCATGCAGCCAAGCACA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_145414
- Insert Size:** 1398 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- 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:       | <u>NM_145414.2, NP_663389.2</u>   |
| RefSeq Size:  | 2242 bp   |
| RefSeq ORF:   | 1398 bp   |
| Locus ID:     | 100609  |
| UniProt ID:   | <u>Q8K4F6</u>   |
| Cytogenetics: | 5 G2  |
| Gene Summary: | <p>S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C(5) position of a cytosine in 28S rRNA.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p> |