

## Product datasheet for **RN216703**

### **Nsun5 (NM\_001191593) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nsun5 (NM_001191593) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nsun5
Synonyms:	RGD1309268
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216703 representing NM\_001191593  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGCTGTACGCGACTGCCGCTGCGGTCTGGCCGGCGTGAAAGCCGCCAGGGCTCCCTCAAGGGGT  
 TAGTGTATTCAGCAACTTCCAGAATCTGAAGCAGTTGTACGCGCTGGTGTGCGAGACGCAGCGCTACTC  
 GGCCGTGCTGGACGCCGTGATCGCCAGCGCCGGGCTCCTTCGTGCTGAGAAGAAGCTGCGGCCGCATCTT  
 GCCAAGGTGCTAGTGTATGAATTGTTGCTGGGGAAGGGTTTCGAGGGGGTGGAGCCGATGGAAGGCTC  
 TGCTGGGCCGGCACCAGGCAAGGCTCAAGGCCGAGTTGGCCGACTCAAGGTTTCATCGGGGTGTGAGCCG  
 AAACGAGGACCTGTTGCAAGAGAGACCCGGCCAAGCCCACCAGGTACCACGGTTCGTGCGTGTGAACACG  
 CTTAAGACCTGCCCTGAGGACGCGATCGATTATTTCAAGAGACAAGGTTTCTCTATCAGGGTCGGGCGT  
 CCAGCCTGGAGGACTTACGAACCTCAAGGGGCAACATTTCTTTGGATCCCTTGTGCCGAGCTTCT  
 TGTATTTCTGCACAGACAGATCTGCATGAGCATCCACTTACCCTGCTGGCCACCTCATCTGCAGGAT  
 AAGGCCAGCTGCCCTCCAGCCATGCTGTCTCTCCACCAGGCTCCCATGTCATTGATGCCTGTGCTG  
 CCCCTGGCAACAAGACCAGCTACATTGCAGCCCTTCTGAAGAACCAGGGGAAGATCTTCGCTTTGACCA  
 GGATGCTAAGCGGCTGGCAGCCATGGCGACACTGTTGGCTCGGGCTGGGGTCTCTTGCTGTGAGGTAGCA  
 GAGAAGGACTTCTGACAGTTTCTCCCTCTGACCAGCGTTATGGCCAGGTCCAGTACATCTTGCTGGATC  
 CTTCTTGTAGTGGCTCTGGCATGCTGAGCCGGCAGCTGGAGGAACACGGGGAAGGCACACCTAGCAAGGA  
 GCGCTTGACGGCCTTGGCAGGGTCCAGCAGCGGGCTCTGTGCCATGCACTCAGGTTCCCTCTCTGCAG  
 CGCCTCGTCTATCCACTTGTCCCTTTGCCAAGAGGAGAATGAAGATGTGGTCCAGGAGGCTCTACAGC  
 AGAACTTGGAACGTTTCAAGGCTGGCTCCTGTCTTACCCACATGGCCTCACCGAGGCTGAGCACCTTCC  
 AGGGTCTGAACACTGCCTCCGGGCTTCCCTGAGACCACACTCACTGGCGGCTTCTTATTGCTGTGTTT  
 GAACGTGCAGAGGTGGTCCGAGCCAGCCCCACAGACCAGTGCAGTGGTCCAGAACCTCTCAGCAAAG  
 CACCAAAAAGAAAGAGAAGCGC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001191593
- Insert Size:** 1356 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:** [NM\\_001191593.1](#), [NP\\_001178522.1](#)

**RefSeq Size:** 1542 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 288595

**Cytogenetics:** 12q12