

Product datasheet for **RR216703**

Nsun5 (NM_001191593) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR216703 representing NM_001191593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGTACGCGACTGCCGCTGCGGTCTGGCCGGCTGAAAGCCGCCAGGGCTCCCTCAAGGGGT
 TAGTGTATTCCAGCAACTTCCAGAATCTGAAGCAGTTGTACGCGCTGGTGTGCGAGACGCAGCGCTACTC
 GGCGTGTGACGCGGTGATCGCCAGCGCCGGGCTCCTTCGTGCTGAGAAGAAGCTGCGGCCGCATCTT
 GCCAAGGTGCTAGTGTATGAATTGTTGCTGGGGAAGGGTTCGAGGGGGTGGAGGCCGATGGAAGGCTC
 TGCTGGGCGGCACCAGGCAAGGCTCAAGGCCAGTTGGCCGACTCAAGGTTTCATCGGGGTGTGAGCCG
 AAACGAGGACCTGTTGCAAGAGAGACCCGGCCAAGCCCACCAGGTACCACGGTTCGTGCGTGTGAACACG
 CTTAAGACCTGCCCTGAGGACGCGATCGATTATTTCAAGAGACAAGGTTTCTCTATCAGGGTCGGGCGT
 CCAGCCTGGAGGACTTACGAACCTCAAGGGGCAACATTTCTTTGGATCCCTTGCTGCCCGAGCTTCT
 TGTATTTCTGCACAGACAGATCGCATGAGCATCCACTTACCCTGCTGGCCACCTCATCTGCAGGAT
 AAGGCCAGCTGCCCTCCAGCCATGCTGTGCTCTCTCCACCAGGCTCCCATGTCATTGATGCCTGTGCTG
 CCCCTGGCAACAAGACCAGCTACATTGCAGCCCTTCTGAAGAACCAGGGGAAGATCTTCGCTTTTCACCA
 GGATGCTAAGCGGCTGGCAGCCATGGCGACACTGTTGGCTCGGGCTGGGGTCTCTTGCTGTGAGGTAGCA
 GAGAAGGACTTCTGACAGTTTCTCCCTGACACGCTTATGGCCAGGTCCAGTACATCTTGCTGGATC
 CTTCTTGTAGTGGCTCTGGCATGCTGAGCCGGCAGCTGGAGGAACACGGGGAAGGCACACCTAGCAAGGA
 GCGCTTGACGGCCTTGGCAGGTTCCAGCAGCGGGCTCTGTGCCATGCACTCAGGTTCCCTCTCTGCAG
 CGCCTCGTCTATCCACTTGTCCCTTTGCCAAGAGGAGAATGAAGATGTGGTCCAGGAGGCTCTACAGC
 AGAACTTGGAACGTTCCAGGCTGGCTCCTGTCTTACCCACATGGCCTCACCGAGGCTGAGCACCTTCC
 AGGGTCTGAACACTGCCTCCGGGCTTCCCTGAGACCACACTCACTGGCGGCTTCTTATTGCTGTGTTT
 GAACGTGCAGAGGTGGTCCGAGCCAGCCCCACAGACCAGTGCAGTGGTCCAGAACCTCTCAGCAAAG
 CACCAAAAAGAAAGAGAAGACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216703 representing NM_001191593
 Red=Cloning site Green=Tags(s)

MGLYATAAAVLAVESRQGLKGLVYSSNFQNLKQLYALVCETQRYSAVLDAVIASAGLLRAEKLRPHL
 AKVLVYELLLGKFRGGGRWKALLGRHQARLKAELARLKVHRGVSRNEDLLQERPQAHQVPRFVRVNT
 LKTCPEDAIDYFKRQGFYQGRASSLEDLRTLKGQHFLLDPLLPELLVFPAQTDLHEHPLYRAGHLILQD
 KASCLPAMLLSPPPGSHVIDACAAPGNKTSYIAALLKNQKIFAFDQDAKRLAAMATLLARAGVSCCEVA
 EKDFLTVSPSDQRYGQVQYILLDPSCSGSMLSRQLEEHGEGTTPSKERLQALAGFQQRALCHALRFP
 SLQRLVYSTCSLQCEENEDVVQEQALQNSGTFRLAPVLPWPHRGLSTFPGSEHCLRASPETTLTGGFFIAV
 ERAEVPSPAPQTSVVPEPLSKAPKRKRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

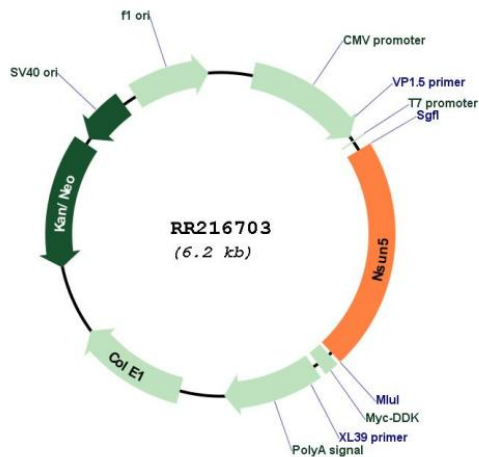
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191593

ORF Size: 1353 bp

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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 49.6 kDa