

Product datasheet for **RR201339**

Nsun6 (NM_001107367) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun6 (NM_001107367) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nsun6
Synonyms:	Nopd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201339 representing NM_001107367
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATGTATTTCCAAGATATCTTTGAGACCTGAAGTTGAAAATATCTCAAAGAGAGCTTTTGAACG
 AGGAGTTGTGTCTGCTTCGAGCCAACAGGAAGCAGAAAGGAACCTTTGAGACTCTGCTGCTTCGCCCTGTC
 ACACCCTCCGTTGTTACGACTGTCAGAGTGAATACGCATTTAGGCTCAGTTGAGCATGTGAGAGGTCTG
 CTGCTTGAAGAGCTTCAGAAGCAGTTTGGTGGATCCAGCATTCCCCTTCTCAGCATCCAGCCCTCCCGG
 ATGTTCTACTCATCCCCATGACTGGACCAAGGAAGAATATAGAAAGACAACAGTGTGAAGTGATTGTTGG
 TGCACAGTGTGGCAATGCAGTATTAAGAGGGGCCATGTCTATGTTCCAGGAGTTGTATCAGCTTCAAAG
 TTTATGAAAGCTGGAGATGTCGTTTCTGTGATTCTGATATTAAGGGAAATGTAAGAAAGGAGCCAAAG
 AGTTTCGATGGAATAAAGTATTTCTGGAAACGGAATTTCTGAACTAAGCCGAAAGATATCTTCAATGG
 GTTACCTGATCTGAAGGGTATAGGCATAAGAATGACAGAACCATATATCTCAGTCCCTCATTTGACAAT
 GTTCTATCTGTTATATATTTTTACAGAAATTTGCCATCTACGGTTGTAGCTCATGTTCTTGATCCTCAAC
 CTGGAGAGAAGATTCTAGATTTGTGTGCAGCACCAGGGGGCAAACTACACACATTGCAGCACTGATGCG
 CGACCAGGGAGAAGTAATAGCATTGGACAAAATACTGACTAAAGTGACAAAATTAAGCAGAAATGCTTCA
 TTATTAGGACTGCATTCTATCCGGCGTTTTGCTTTGATGCAACAAGGCTCTTAAGCTGGAGGTGATGG
 ACGGCGTAGACGGGGCACCTCCATTCTTACCAGAACTTTTGACCGAATTTCTCCTTGACGCGCCCTGCAG
 TGGACTGGGACAGAGGCCAAATATGGCTTGCACTTGGACTTTGAAGGAAGTGACATCCTATCAGCCACTG
 CAGCGAAAACCTTAATGTGGCGTTTCGACTCCTGAAGCCAGGGGTGTGCTGGTCTACAGCACGTGCA
 CAGTAACTCTGGCAGAAAACGAAGAGCAAGTCCGCTGGGCCCTCAGAACATTTCCCTGCCCTCAACTTCA
 ACCCCAGGAACACAGATCGGAGGAGAAGGGATGCTGGGAGCTGGCCTGTCACTGGAGCAGCTGAAACAG
 CTGCAGCGCTTTGACCCGTGTGTTGTGCCTCTGGAGAGCATGGACACGAACCTCTTTGGAGATGCCAGAA
 GGAAGACGTGATTTGGCTAGCCAACAAGGATTGTATAGGCTTCTTTATTGCAAAGTTTCTAAAATGTCA
 AAGCACAGAAAGGAAGTTTCTCGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201339 representing NM_001107367
 Red=Cloning site Green=Tags(s)

MYVFPKISLRPEVENYLKESFLNEEVVSASSQQAERNFETLLLRLSHPPLFTTVRVNTHLGSVEHVRGL
 LLEELQKQFGGSSIPVLQHPALPDVLLIPMTGPRKNIERQQCEVIVGAQCGNAVLRGAHVYVPGVVSASK
 FMKAGDVSVYSIDIKGKCKKGAKEFDGTVFLNGISELSRKDIFNGLPDLKGIGIRMTEPIYLSPSFDN
 VLSGYIFLQNLPTVVAVHLDLPQGEKILDLCAAPGGKTHIAALMRDQGEVIALDKILTKVTKLKQNAS
 LLGLHSIRAFCFDATKALKLEVMDGVDGAPPFLPESFDRILLDAPCSGLGQRPNMACTWTLKEVTSYQPL
 QRKLLNAVVRLLKPGGVLYYSTCTVTLAENEEQVAWALRTFPCLQLQPQEPQIGGEGMLGAGLSLEQLKQ
 LQRFDPVVPLESMDTNSLGDARREDVIWLANKDCIGFFIAKFLKCQSTERKVSRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

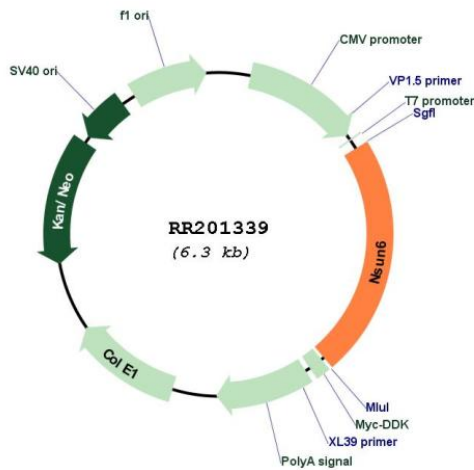
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107367

ORF Size: 1428 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_001107367.2](#), [NP_001100837.1](#)

RefSeq Size: 2063 bp

RefSeq ORF: 1431 bp

Locus ID: 307148

Cytogenetics: 17q12.3

MW: 52.3 kDa