

Product datasheet for **RR211187**

Nop14 (NM_001106013) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nop14 (NM_001106013) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nop14
Synonyms:	Nol14; RGD1305605
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR211187 representing NM_001106013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAAGCGAAGCGGACTGGGGCGAGGAGGCAGGTCCACAAAGCGCCGGCAGGGGCGTTCCGAGGCC
 CGGGGAAGACTAACCCTAATCCATTTGAAGTGAAGTCAACCGCAGAAGTTCCAGATCCTTGGCAGGAA
 GACACGCCACGATGTGGCCTGCCCGGGGTGTCCCGCGCTCGGGCCATCAAGAAGAGAACCAGACTTTA
 CTTAAGGAGTACAAAGAAAGGAACAAGTCCAATGTCTTACAGATAAACGCTTTGGGGAGTATAATAGTA
 ACATAAGTCCGGAGGAAAAATGATGAAGAGATTTGCTCTGGAGCAACAGCGATATCATGAGAAAAAGAA
 CATCTACAACCTAAATGAGGATGAAGAATTGACTCATTACGGCCAGTCTTGGCTGACATTGAAAAGCAC
 AATGACATCGTGGATAGTGACAGTGACACCGAAGACCGGGGGGCACTGTCTGCTGAACTGACTGCTTCCC
 ACTTTGGTGGTGGGTCCACAAGAATTCCTCTCAGAAGGAAGGAGAGGATGGAGACAAGCCAAAGACACG
 GAAAGAGCTGATTGAAGAGCTCATTGCAAAGTCAAAGCAAGAGAAGAGGGAAAGACAGGCTCAACGAGAA
 GATGCCCTTGAGCTCACAGAGAAGCTAGACCAAGACTGGAAGAAATCCAGATTCCTGTACGCAAAAT
 CTAAGAAGTCAGAAAACAAAGAGAAAAAGAAAAACCCAGCCCGATGCTTATGACATGATGGTCCGTGA
 GCTTGGCTTTGAAATGAAGGCACAGCCCTCCAACAGGATGAAGACGGAAGAGGAACTGGCAAAGGAGGAG
 CAAGAGAAGCTCAGGAAATGGAGGCCGAAAGACTCCGAAGATGCTTGGAAAAGACGAACATGAAAATA
 AAAAGAAACAAAACATACGTCGGCAGATGACTTAAATGATGGCTTTATACTAGATAAAGACGATAGGCG
 TTTGCTTTCTTACAAGGATGGTAAAATGAACATCGAGGATGCCAGGAAGAGCAAAGCAAGGAGCAGAT
 GGCCAAGAGAATGACCAGAAAGAGGAAGAAGATGAGAGTGAGGAAGAGGGTGAAGATGGTGAAGCTGTG
 AGGACCCAGACGAGAGCGATGGCCAGACAGCCACTCAGACCTAGAATCCAGTGCAGAGACCGAGGAGGA
 AGACGAGACACCGAAGAAAGAGCAGCGTCAGACTCCGGGGGGAAAGTCGCCGAAGGAGGCTCAGAAGGCT
 CAGAAGGCTGCTGCGGCCGAGCTGCCCTATGTCTTCGAGCTCCTGAATCCTTTGAGGAGCTGAAGTTTT
 TATTATCAGGAAGATCAATGGAAGAACAGCTTTTGGTGGTGGAGAGAATTCAGAAGTGAACCATCCGAG
 TCTTGCAGTAGGAAACAAAGCAAAACTGGAAAAATTTGTCGGCTTCTTTTGAATACATAGGCGATTTG
 GCCACAGACAGTACACCAGACCTCAAGACCATCGATAAGTTGGTTGTGCACTTATATAATCTGTGCCAGA
 TGTTTCTGAATCTGCAAGTGTGCCATAAGATTTGTTCTCCGAGATGCCATGCACGAGATGGAAGAAAT
 GATTGAGACCAAAGCCGGGCAGCATTTCAGGGTTGGATGTGCTCATTTATTTGAAAATCACTGGGCTG
 TTATTTCCAACCTCCGATTTCTGGCATCCAGTTGTGACACCTGCCCTGATCTGTATGAGCCAGATGCTTA
 CCAAGTGTCCAGTCCGTCCTGCGAGATGTGGTAAAGGGCTGTTCGTGTGCTGCTTATTCCTGGAGTA
 TGTGTCTCTGCTCGGAGGTTCTGCCCTGAGCTTCTAAATTTTCTTCTGGGATTCTTTATATAGCAACT
 CCAAACAAGAAGAGCCAAGGCTGTCTCTGCG

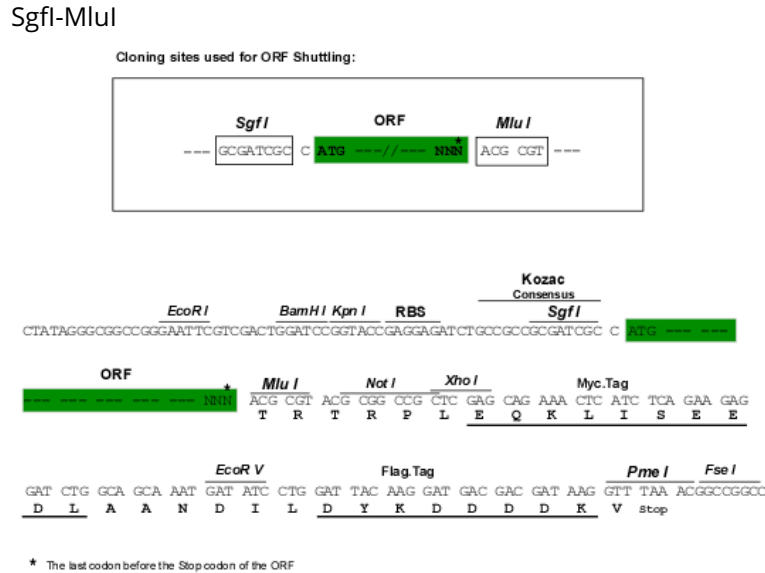
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

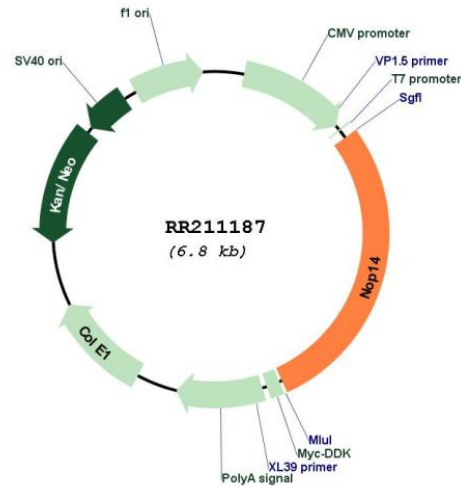
Protein Sequence: >RR211187 representing NM_001106013
 Red=Cloning site Green=Tags(s)

MGKAKRTGARRQVHKAPAGAFGGPGKTNPNPFVKNRQKFQILGRKTRHDVGLPGVSRARAICKRTQTL
 LKEYKERNKSNVFTDKRFGEYNSNISPEEKMMKRFALQQRYHEKKNIYNLNEDEELTHYGQSLADIEKH
 NDIVSDSDTEDRGALSAELTASHFGGGVHKNSSQKEGEDGDKPKTRKELIEELIAKSKQEKRRERQAQRE
 DALELTEKLDQDWKEIQILLSRKSKSENKEKKEKQPDAYDMMVRELGFEMKAQPSNRMKTEEELAKEE
 QEKLRLKEAERLRRMLGKDEHENKKPKHTSADDLNDGFILDKDDRRLLSYKDGKMNIEDAQEEQSKGAD
 GQENDQKEEEDSEEEGEDGESCEDPDES DGPDSHSDLESSAETEEDETPKKEQRQTPGGKSPKEAQA
 QKAAAAELPYVFAAPESFEELKFLLSGRSMEEQLLVVERIQKCNHPSLAVGNKAKLEKLFGLLQYIGDL
 ATDSTPDLKTIDKLVVHLYNLCQMPESASDAIRFVLRDAMHEMEEIETKGRAAFPGLDVLIIYLKITGL
 LFPTSDFWHPVVPALICMSQMLTKCPVTSLRDVKGLFVCCLFLEYVSLSRRFVPELLNFLLGILYIAT
 PNKKSQGCPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:



Plasmid Map:


ACCN: NM_001106013

ORF Size: 1920 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_001106013.1](#), [NP_001099483.1](#)

RefSeq Size: 2537 bp
RefSeq ORF: 1923 bp
Locus ID: 289724
Cytogenetics: 14q21
MW: 72.9 kDa