

Product datasheet for **RR212544**

Nop16 (NM_001047095) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nop16 (NM_001047095) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nop16
Synonyms:	RGD1305727
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212544 representing NM_001047095 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGGCTAAGGGAAGACTCGGAGGCAGAAGTTCGGTTACAACGTCAACCGAAAGCGTCTGAACC
GGAATGCTCGTCGGAAGGCAGCGCCACGGATCGAGTCTCCACATCCGACATGCCTGGGACCACACCAA
ATCCGTGCGGCAGAACCTGGCGGAGATGGGGTTGGCCATGGACCCCAACAAGGCGGTTCCCTCCGTAAG
AGGAAGGTAAGGCCATGGAGGTAGACACGGAGGAGAGACCAAGGATCTTGTTGGAAGCCCTATGTGG
TTAATGACCTGGAGGCAGAAGCTAGCCTCCAGAGAAGAAAGGAAATACCTTGCTCGGGACCTCATCGA
TTATGTTTCATTACATGGTGGAGAATCATGGAGAGGACTATAAGGCCATGGCCCGGATGAGAAGAATTAC
TATCAAGACACCCCAACAGATCCGGAATAAGATCAATGTCTATAAGCGCTTTACCAACGGAGTGGC
AAGTCTTTGTGGCTTCTTGCAGAATAAGAAGATGGAGGTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR212544 representing NM_001047095 Red=Cloning site Green=Tags(s)
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MPKAKGKTRRQKFGYNVNRKRLNRNARRKAAPRIECSHIRHAWDHTKSVRQNLAEMLAMPNKAVPLRK
RKVKAMEVDTEERPKDLVRKPYVVDLEAEASLPEKKGNTLSRDLIDYVHYMVENHGEDYKAMARDEKNY
YQDTPKQIRNKINVKRFYPTWQVVFASLQNKMEVD

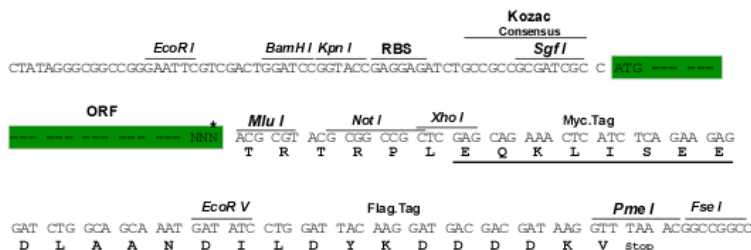
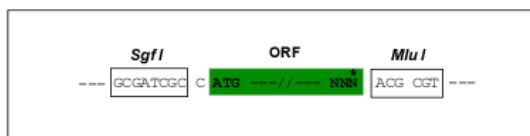
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001047095

ORF Size: 534 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_001047095.1](#), [NP_001040560.1](#)

RefSeq Size: 1082 bp

RefSeq ORF: 537 bp

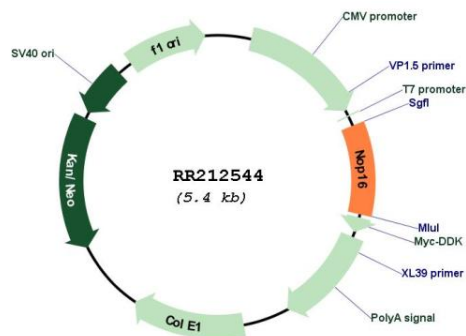
Locus ID: 306768

UniProt ID: Q1RP77

Cytogenetics: 17p14

MW: 21.1 kDa

Product images:



Circular map for RR212544