

Product datasheet for **RN217194**

Nop2 (NM_001191785) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nop2 (NM_001191785) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nop2
Synonyms:	Nol1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217194 representing NM_001191785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGGCGCAAGTTGGATCCTACGAAGAAGGAGAAGCGTGGGCCCGCCGAAAGGCTCGAAAGCAGAAGG
 GTGCAGAGACCGAACTGATCAGATTTTTGCCTGCAGCTGGTGATGAGAATTTCAAGAGGCTGTCCAGTCG
 TGCTCGGAAGAGGGCGGCCAAGAGGAGGTCAAGGCTCTGTTGAAGTCCCTAAGCCAAATAAGTCTCCTGGG
 ATCAAAACATTGCCTGGAGAGTTACCCAAAGGAGCAGTCCAGGTTGAGGTAAGAAGCGTCCAGCACCAA
 TTCAAAACAGTGATGGGGATGAGGAGGAAGACTCTGAGGAAGAAGATGTGGTGACCCAGGGGAACTTTG
 GGGCTCTGAAGACAGTAGTGAAGATATGGTGGACGACTATGGAGCGGACTCGGAGGATGAGGAGGAAAAG
 TTGTTGCCTATTGAAAGAGCTGCTCTGAAGCAGAAGGCCCGGACCCCGCAGATGGGACCCAGTGGAGTG
 AGGAGGACACTGATGAAGATGAAGGTGTTACCCCTGAGTCCACCCAGAAAGGATGACAAAGCAGAGGG
 GGATTTGCAGATCAATGTGAAGAGGAGGAAGCCTTCGTGCTGCCTCTGCTGGACAGACGACCAGGAT
 GCCCAGACTCCAGACCTGCAGCGAGTTCACAAGCGCATCCAGGATATAGTAGGAGTGCTTCGGGATTTTG
 GGGCTCAGCGAGAGGAAGGCCGGTCTCGAACTGAGTATCTGAGTCAGCTTCAGAAGGATCTGGCCACCTA
 CTATTCTTATGGAGACTTCTGTTGAGCAAGCTCATGGAGCTGTTCCCGTGTCTGAGTTGATAGAGTTC
 TTAGAAGCTAATGAGGTGCCCGGCCAATCACCTTCGGACCAACACCTTGAAAACCCGTCGCCGAGACC
 TTGCTCAGGCTCTGATCAATCGTGGGTTAATCTGGATCCATTGGGAAAGTGGTGAAGTCTGGACTTGT
 GGTATATGATTCTTCAGTGCCTATTGGTGCTACTCCCGAGTACCTAGCTGGACACTATATGCTGCAGGGA
 GCTTCGAGCATGCTGCCTGTCTGAGGCTGGCACCTCAGGAGCATGAGCGGATCTTGACATGTGTTGTG
 CTCCCGGAGGAAAAGACCAGCTACATAGCTCAGCTGATGAAGAACACGGGTGTGATCCTTGCCAATGACGC
 CAATGCAGAGCGGCTCAAGAGTGTGCTGGGCAACCTGCACCGCTTGGGAGTCACCAACACCATCGTCAGC
 CACTATGATGGGCGCCAGTTCCTCAAGGTGGTGGGCGGCTTTGATCGGGTCTTCTGGACCTCCTTGCA
 GTGGCACAGGAGTCATCTCCAAAGACCCTGCTGTGAAGACGAACAAGGATGAGAAGGACATCCAGCGCTG
 TGCCACCTTCAGAAGGAATTGCTGCTCAGTGCTATAGACTCAGTCAACGCTGCCTCCAAGACCGGAGGC
 TACCTGGTCTACTGCACTTGCTCCATTACGGTGAAGAGAACGAGTGGGTGGTGGACTATGCCTTGAAGA
 AGAGGAATGTGCGGCTGGTGCCACCGGCTGGACTTCGGGCAGGAAGGTTTACCCGCTTCGAGAAAAG
 GCGCTTTACCCCACTCTGCGGGCCACCGACGCTTCTACCTCACACTACAATATGGATGGTTTCTTT
 ATAGCCAAGTTCAAGAAATTTTCAATTCTATCCCCAGCCCCACTCAGGAACTCGGCAGCAGGTACTC
 CTACAGAACTGACCTGAAGGGTCAGGTACCCCAAGTCTGAGAACAGTAGTCAGCCCAAGAAAGC
 CCACGGGGCTGCAAAGGCAAAGCAGCAGTTAGTAGGGCAGCAACATTCCAAGAAGCCCTTCAGAAGATG
 AATGGCATCTCCAAAGGGCCAGGCTTGCCCACTGAACCTTCTGTCCCAATGTCCAAGTGTCTGCTAGGC
 CCCAGGAAAGCAGTCTGTCTGATGTGAACGGAAGAGGGCTGGAAAGCTGAAGCAGCGGGGACCGAAGCA
 GAGTGCCCTCCCCCAAGGTGCGGGACCTGGGACACCTGCTATGCAGACTCCCTCTGAAATCAGTGCC
 ACCCAAGGCCTAAGTCCCCTGGGAAAGCCAAAAGAGAGAGGAAGTAAAGCAGGAGTTACCAGAGCAGC
 CTGCCAAGGGAAGTCTTCCCTGAAAGAAGACGCTGCCCCAAGAGACTCTTCCCCCACCACGGCTCA
 CCACAGTTCACCAGGCCCCACCGGCAAGAGGAGGAAATCTATGACCAAGGGCAGCAGCCAGCCACTG
 TTGTCT**TA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001191785
Insert Size: 2319 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:	<u>NM_001191785.1, NP_001178714.1</u>
RefSeq Size:	2544 bp
RefSeq ORF:	2319 bp
Locus ID:	314969
Cytogenetics:	4q42