

Product datasheet for **RN216990**

Neil3 (NM_001170346) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neil3 (NM_001170346) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Neil3
Synonyms:	RGD1310562
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216990 representing NM_001170346
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGGGCCAGGATGTACTGAATGGAGAGAAGATTCGGGCACGAGTGCTACCGGACAGGCGA
 TGACTGGTGTGCGGGAAACAGCTCTGCAGGCCTCTGGGCTCTGCCTTGTCCTCCCGCAGCCTCCCTGGC
 TGAGGTCACTAGCTCGGCTGCTCCAATGAACGCTAAAGATTCTGGCTGAAAGTCTTGAGACTGTTAAT
 GGATGTGTTTACAGTGGTGTGAAACCTTGGGGAAGGAGCTGTTTATGTACTTTGGCCAAAGAGCTTTAC
 GGATTCATTTTCGGAATGAAAGGCTCCATCTTGATTAACCCGCCTAAGTGTGAAAAAGAGGTGGAGTTTC
 TCCAGCTTTTGAAGTGCAGCTCACCAATGACTTGATCTGTTTCTTTGACTCTTCAGTAAACTCAGAAAT
 TCAGTGGAAAGCCAACAAAGAGTCAGAATGATGGAAGGATTGGATGTATGCTACCAAAGTTCAGTCTCT
 CAAGAGCAGAAAGTGAAGTTAAGAAGCAGAGAGATCGGATGCTGTGTGATGTTACTGGATCAGAGGGT
 GTTGCCTGGTGTAGGGAACATCATCAAAAATGAAGCTCTCTTTGACAGTGGACTCCATCCAAGTAAAG
 GTGTGTCAACTATCAGACAAACAGGCCCATCACCTTGTGAAGATGACCCGGGATTCAGCATTCTCTTCT
 ACAGGTGCCGTAAGCAGGATCTGCCATTTCTAAACACTATAAGGTTTATAAGCGTCCTAACTGTGCACA
 GTGCCACTGCAAAATTAGAGTGTGTCGCTTAGGGGAGAACAGCAGGATGACGATTTTCTGTCTCACTGT
 CAGAAAGAAAACCTCAACATGTTCAAATATGCTCACTGCCTTTAGAAATGCTGAAATCAGCTGGACTC
 CTAAGGACAGGATTGCTTTACCGACTCAGTAGCTCGGAAGTCTGAAGAGCAGTGGTCTGCATGGTTTG
 CACCCTCATAACAAACCTCGGCTACGGCCTGCGATGCTTGCCCTGACGACAAGGCTGTGGATTCAAGT
 CTCAAAAATGAAGAGAATCCATTGCCTTTAGCAACTTAGTGAAGTACCCTTTAATAAAGTGGAGAA
 CACACTGAAATAAAGATCAACAGGAAAAGTGTGTTTGGAAATACAACCTTGTGTTTACTGATTTGAG
 CAACAAATCTAGTCTTTGGCCAGAAAAAGCAGCCCAAGCCAGACAATAGATGGGGAATCTCAAAATTTT
 CTTCTACAGACATATGTTTCAAGTATCCACAGCACATCTCAAAGAAGGAGTAAACTATATAACTCAAC
 CATCCAACAAGGTAACATGTCGTCCACAGTGGTGGCCAGTCTAAATTTTACTTCAACATATAAAAA
 ATTGAAAACAGCTCACTCTTTGGCAACAGAACTTAAAAGTTACAACCTGGACTTTCTAACAGTGAAGT
 CAAACCAATATAAGAAGTATCCTTGTCTCTACATGCCAGCAGGCTCAGTGAAGACGACAGCCGGC
 CCTGTGTTCTCCGAGTTGTGAGGAAGGATGGAGAAAACAAAGGAAGGCAGTTTTATGCATGTTCTCTGCC
 CAGAGGACACAGTCCGATTTTTTGAATGGGCAGACCTGCTCTCCCGTCTGCGGACATGGCAAGCGC
 TCCATTATGAAAAGTGTGTTGAAGATTGGACCTAATAATGGGAAGATTTTTTTGTATGCTCTTTGGAGA
 AAGAAAAGCAGTGAATTTTTTCCAGTGGCAGAAAGTGGACCAGAAATGAAATATTCCAGGATGCTA
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001170346
- Insert Size:** 1821 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: [NM_001170346.1](#), [NP_001163817.1](#)

RefSeq Size: 1975 bp

RefSeq ORF: 1821 bp

Locus ID: 290729

Cytogenetics: 16p11