

Product datasheet for RN215182

Nrdc (NM_012993) Rat Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Nrdc (NM_012993) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Nrdc |
| Synonyms: | Nrd1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN215182 representing NM_012993 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGCTGAGGAGAGTCGCGGTTGCTGCAGTCTTTGCCACCGGGAGGAAGTTGCGGTGTGAGGCCGGGCGGG
ACGTCACGGCTGTGGGACGAATCGAAGCACGGGGTCTGTGCGAAGAATCAGCGAAACCGTTTCTACGCT
GACCATGCCTGGCAGAAACAAGGCGAAGTCCACCTGCAGTTGCCCGACCTGCAGCCTAATGGACAGGAC
TTGGGCGAGAGCGCCGGTTGCTCGTCTAGGAGCGGATGAATCTGAGGAGGAGGACGGTCTCTCAGTA
ATGTCGGGACCCTGAGATCATCAAGTCTCCAGCGATCCAAGCAGTACCGATACATCAAATTACAGAA
TGGCTTGCAGGCTCTTTTGATTTTCAGATCTAAGTAATGTGGAGGGTAAAACAGGAAATGCAACAGATGAA
GAGGAAGAGGAAGAGGAAAGAGGAGGAGGGGAAAGAGGAAGAGGAAGAGGAAGAGGAAAGACGATGACGATG
ATGATGATGAAGACTCTGGAGCTGAGATACAGGATGATGATGAGGAAGGCTTTGACGATGAAGAGGAATT
TGATGATGATGAACATGATGATGATGATCTTGATAATGAGGAAAATGAACTGGAAGAAGTGGAGAGCGG
GTGGAAGCCAGAAAGAAAACCACTGAGAAAACAGTCTGCAGCGGCTCTGTGTGTTGGAGTTGGGAGCTTTG
CTGATCCAGATGACCTGCCTGGGCTGGCACACTTTTGGAGCACATGGTATTCATGGGTAGTTTGAATA
CCCAGATGAGAATGGATTTGATGCCTTCTCAAGAAAACATGGAGGTAGTGATAATGCCTCAACCGATTGT
GAACGCACAGTCTTTCAGTTTGATGTCCAGAGAAAGTATTTCAAGGAAGCCCTGGATAGATGGGCCCGAGT
TCTTCATCCACTGATGATCAGAGATGCAATTGACCGAGAGGTGGAAGCTGTGGACAGTGAGTATCA
GCTTGCAAGACCTTCTGATGCAAACAGAAAAGAAATGTTGTTTGAAGTCTTGCTAGACCTGGACATCCT
ATGGGGAAGTTTTTTGGGAAAATGCTGAGACACTCAAGCATGAACCAAAGAAGAATAATATTGATACAC
ATGCCAGACTGAGAGAGTTCTGGATGCGTTACTACTCTGCTCATTACATGACCTTAGTAGTCCAGTCCAA
AGAAAACCTTGGACACTTTGAAAAGTGGGTGACGGAGATCTTCTCTCAGATACCAAACAATGGGCTACCT
AAACCAAACCTTAGCCATTTAACGGATCCTTTTGACACACCAGCATTTAACAAAACCTTATAGAGTTGTT
CAATCAGAAAAATCCATGCTCTGACCATCACGTGGGCCCTTCTCCGAGCAGCAACACTACAGGGTGAA
GCCACTTCATTATATCTCTGGCTGTGGGCATGAAGGCAAAGGCAGCATCCTTTCTTACCTTAGAAAA



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AAGTGCTGGGCTCTTGCCTTGTTTGGTGAAATGGTGAGACAGGTTTTGAGCAAAATTCTACCTACTCAG
 TGTTTCAGCATTTCTATCACTCTGACTGATGAGGGGTATGAGCATTTTTATGAGGTTGCTCACACTGTCTT
 TCAGTATTTAAAAATGCTGCAGAAACTAGGTCGGGAGAAAAGAGTTTTTGAAGAGATTGAGAAAATTGAG
 GATAATGAATTTTCATTACCAAGAACAGACAGATCCAGTTGAGTACGTGGAGAACATGTGTGAGAACATGC
 AGCTGTACCCACGTCAGGACTTTCTCACTGGAGATCAGCTTCTGTTTGTGTAACAAGCCAGAAGTCATTGC
 CGAGGCCCTTAATCAGCTAGTTCCTCAAAGGCCAAATCTCGTGCTTCTGTCTGGTCAACGAGGGAAGA
 TGTGGAAGAGCAATTTTGACTTAAATTCAGACCTTCATCTACCAGCTGAAAACAAATACATAGCCACGGA
 CTTTACATTGAAGGCTTTTGATTGCCCTGAAACTGAATACCCTGCTAAAATTGTGAATACCCCAAGGT
 TGCTGTGGTATAAGAAAGACAACAAATTCAAAATCCCCAAAGCCTATATACGATTTTCATCTGATCTCAC
 CTTTGATACAGAAATCTGCAGCAATGTTGCTCTTCGACATCTTCGTCAACATTCTTACTCACAACCT
 TGCTGAGCCAGCCTATGAAGCCGATGTGGCCAGCTGGAGTATAAACTGGTAGCCGGAGAGCACGGTTTA
 ATCATCCGAGTGAAGGGATTCAACCACAACTACCTCTGCTCTCCAGCTCATCATTGACTACCTGACTG
 AGTTCAGCTCCACGCCGCTGTCTTACCATGATAACTGAGCAGCTGAAGAAGACCTACTTCAACATCCT
 CATCAAGCCTGAGACTCTGGCCAAAGATGTGCGGCTTTTAAATTCGGAATATTCCCGCTGGTCTATGATT
 GACAAGTACCGAGCTTTGATGGATGGCCTTCCCTTGAGTCTCTGCTAAACTTTGTCAAGGATTTTAAAT
 CCCAACTCTTTGTTGAGGGCCTGGTGAAGGGAATGTCACCAGCACGGAATCGATGGATTTCCCTAAGATA
 CGTTGTTGACAAGCTGAACCTTCGTGCCCTGGAGCGGGAGATGCCCGTGCAGTTCAGGTTGGTGGAGCTG
 CCGAGCGGCCACCACCTGTGCAAAGTCAGAGCCCTGAATAAGGGGGACGCCAACTCTGAAGTCACTGTGT
 ACTACCAGTCAGGTACAAGGAGTCTGAGAGAATACACGCTCATGGAGCTGCTTGTGATGCACATGGAGGA
 GCCCTGCTTTGACTTCTTGAACCAAGCAGACCCTTGGGTACCACGCTACCCGACCTGTAGGAACACA
 TCTGGCATTCTAGGATTTCTGTAACCTTTGGGACTCAGGCAACCAATACAACCTCTGAACTGTTGACA
 AGAAGATAGAAGAATTTCTTCCAGCTTTGAGGAGAAGATTGAGAACCTCACAGAGGATGCATTCAATAC
 TCAGGTCACAGCTCTGATCAAGTTGAAAGAGTGTGAGGACACCCACCTCGGGGAGGAGGTGGACAGGAAC
 TGGAAATGAAGTGGTGACACAGCAGTATCTTTGACCGCCTTGCCCATGAGATTGAAGCGCTGAAGTCTT
 TCTCAAAGTCAGACCTGGTCAGTTGGTTCAAGGCTCACAGAGGACCTGGGAGTAAAATGCTCAGCGTTCA
 TGTTGTTGGATATGGGAAGTATGAACTGGAAGAGGACGGCGCTCCCGTTTGTGAGGATCCGAATTCTCGT
 GAAGGGATGCAGCTAATCTACCTGCCACCCTCTCTCTCTGGCAGAGTCCACCACCCCATTAAGTACA
 TCAGGGCCTTACAGCGACGCTCAGCCTTCCCTACCATAAGATAGTCAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_012993

Insert Size:

3486 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).

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_012993.2](#), [NP_037125.1](#)

RefSeq Size: 3580 bp

RefSeq ORF: 3486 bp

Locus ID: 25499

UniProt ID: [P47245](#)

Cytogenetics: 5q34

Gene Summary: Zn²⁺-dependent endopeptidase; cleaves peptides at the N-terminus of Arg residues in dibasic sites [RGD, Feb 2006]