

## Product datasheet for RN216506

### NdrG2 (NM\_001270863) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NdrG2 (NM\_001270863) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NdrG2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216506 representing NM\_001270863  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGCAGAGCTTCAGGAGGTGCAGATCACTGAGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCTG  
 CCAAGGAGGCTGAGTTAGCTGCCGAATCCTCCTGGACCAGGGACAGACTCATTCTGGAGACACCTTA  
 TGGCTCCGTCACTTTTACCGTGTATGGCACCCCAACCCAAACGTCAGCGATATTCACCTACCATGAT  
 GTAGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGGGGATATGCAAGAGATCATACAGA  
 ACTTCGTGCGGGTCCATGTGGATGCCCTGGAATGGAAGAGGGGGCACCTGTGTTTCCTCTGGGGTACCA  
 GTACCCATCTCTGGACCAGCTTGCAGACATGATTCCTTGCATCCTGCAGTACTTAAATTTCTCTACGATA  
 ATTGGAGTTGGCGTTGGAGCTGGAGCATACTTCTGTACGATACGCTCTGAACCCCGGACACCGTTG  
 AAGGTCTTGTTCATCAACATTGATCCCAACGCCAAGGGCTGGATGGATTGGCAGCCACAAGTTAAC  
 CGGCCTTACGTCTCCATTCCGGAGATGATTCTTGGGCACCTTTTCAGCCAGGAAGAGCTTTCTGGAAAT  
 TCTGAATTGATACAGAAGTATAGAAGTCTCATCACACGCGCCCAACCTGGAGAACATCGAACTGTATT  
 GGAACAGTTACAACAACCGCCGAGACCTGAACTTTGAGCGAGGTGGTGGATGACCCTCAAGTCCCCGT  
 GATGCTGGTGGTAGGAGACCAAGCACCTCATGAAGATGCCGTGGTGAATGTAATCAAAACTGGACCCC  
 ACACAGACCTCATTCTCAAGATGGCGGACTCTGGAGGTGAGCCGAGCTGACTCAGCCAGGCAAGCTGA  
 CAGAAGCTTTCAAGTACTTCGTGCAAGGCATGGGCTACATGGCCTCATCCTGTATGACTCGCCTGTCTCG  
 GTCTCGCACAGCATCTCTGACCAGTGGGCATCCATCGATGGCAGTCGGTCCCGATCCCGCACCCCTGTCCG  
 CAGAGTAGCGAGTCTGGGACTCTCCCTTCTGGACCCCGGGGCACACCATGGAAGTCTCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270863  
**Insert Size:** 1116 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001270863.1, NP_001257792.1</u>
<b>RefSeq Size:</b>	2024 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	171114
<b>UniProt ID:</b>	<u>Q8VBU2</u>
<b>Cytogenetics:</b>	15p14
<b>Gene Summary:</b>	may play a significant role in mineralocorticoid signaling [RGD, Feb 2006] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1 and 3 both encode the same isoform (a).