

## Product datasheet for RN216462

### NdrG2 (NM\_001270864) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NdrG2 (NM\_001270864) 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:** >RN216462 representing NM\_001270864  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCAGAGCTTCAGGAGGTGCAGATCACTGAGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCTG  
 CCAAGACTCATTCTGTGGAGACACCTTATGGCTCCGTCACCTTTACCGTGTATGGCACCCCCAAACCCAA  
 ACGTCCAGCGATATTCACCTACCATGATGTAGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAG  
 TTCGGGGATATGCAAGAGATCATACAGAACTTCGTGCGGGTCCATGTGGATGCCCTGGAATGGAAGAGG  
 GGGCACCTGTGTTTCTCTGGGGTACCAGTACCCATCTCTGGACCAGCTTGCAGACATGATTCTTGCAT  
 CCTGCAGTACTTAAATTTCTCTACGATAATTGGAGTTGGCGTTGGAGCTGGAGCATACTTCTGTACCGA  
 TACGCTCTGAACCAACCGGACACCGTTGAAGGTCTTGTCTCATCAACATTGATCCCAACGCCAAGGGCT  
 GGATGGATTGGGAGCCACAAGTTAACCGGCCTTACGCTTCCATTCCGGAGATGATTCTTGGGCACCT  
 TTTCCAGCCAGGAAGAGCTTTCTGAAAATCTGAATTGATACAGAAGTATAGAAGTCTCATCACACACCGG  
 CCCAACCTGGAGAACATCGAACTGTATTGGAACAGTTACAACAACCGCCGAGACCTGAACCTTGGAGCGAG  
 GTGGTGGATGACCTCAAGTGCCTGATGCTGGTGGTGGAGACCAAGCACCTCATGAAGATGCCGT  
 GGTGGAATGTAATTCAAACCTGGACCCACACAGACCTCATTCCCAAGATGGCGGACTCTGGAGGTCAG  
 CCGCAGCTGACTCAGCCAGGCAAGCTGACAGAAGCTTCAAGTACTTCGTGCAAGGCATGGGCTACATGG  
 CCTCATCTGTATGACTCGCCTGTCTCGGTCTCGCACAGCATCTCTGACCAGTGGCGCATCCATCGATGG  
 CAGTCGGTCCCGATCCCGCACCTGTGCGCAGAGTAGCGAGTCTGGGACTCTCCCTTCTGGACCCCGGGG  
 CACACCATGGAAGTCTCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270864  
**Insert Size:** 1074 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_001270864.1, NP_001257793.1</u>
<b>RefSeq Size:</b>	1982 bp
<b>RefSeq ORF:</b>	1074 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 (4) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 4 both encode the same isoform (b).