

Product datasheet for RN216505

NdrG2 (NM_001270862) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NdrG2 (NM_001270862) 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: >RN216505 representing NM_001270862
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCAGAGCTTCAGGAGGTGCAGATCACTGAGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCTG
 CCAAGGAGGCTGAGTTAGCTGCCGAATCCTCCTGGACCAGGGACAGACTCATTCTGTGGAGACACCTTA
 TGGCTCCGTCACTTTTACCGTGTATGGCACCCCAACCCAAACGTCAGCGATATTCACCTACCATGAT
 GTAGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGGGGATATGCAAGAGATCATACAGA
 ACTTCGTGCGGGTCCATGTGGATGCCCTGGAATGGAAGAGGGGGCACCTGTGTTTCCTCTGGGGTACCA
 GTACCCATCTCTGGACCAGCTTGCAGACATGATTCCTTGCATCCTGCAGTACTTAAATTTCTCTACGATA
 ATTGGAGTTGGCGTTGGAGCTGGAGCATAACATTCTGTCACGATACGCTCTGAACCCCGGACACCGTTG
 AAGGTCTTGTTCATCAACATTGATCCCAACGCCAAGGGCTGGATGGATTGGCAGCCACAAGTTAAC
 CGGCCTTACGTCTCCATTCCGGAGATGATTCTTGGGCACCTTTTCAGCCAGGAAGAGCTTTCTGGAAAT
 TCTGAATTGATACAGAAGTATAGAAGTCTCATCACACGCGCCCAACCTGGAGAACATCGAACTGTATT
 GGAACAGTTACAACAACCGCCGAGACCTGAACTTTGAGCGAGGTGGTGGATGACCCTCAAGTGCCTCGT
 GATGCTGGTGGTAGGAGACCAAGCACCTCATGAAGATGCCGTGGTGGAAATGTAATTCAAAACCTGGACCC
 ACACAGACCTCATTCTCAAGATGGCGGACTCTGGAGGTGAGCCGAGCTGACTCAGCCAGGCAAGCTGA
 CAGAAGCTTTCAAGTACTTCGTGCAAGGCATGGGCTACATGGCCTCATCCTGTATGACTCGCCTGTCTCG
 GTCTCGCACAGCATCTCTGACCAGTGGGCATCCATCGATGGCAGTCGGTCCCGATCCCGCACCTGTGCG
 CAGAGTAGCGAGTCTGGGACTCTCCCTTCTGGACCCCGGGGCACACCATGGAAGTCTCCTGTGA

ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270862
Insert Size: 1116 bp



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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:	<ol style="list-style-type: none">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_001270862.1</u> , <u>NP_001257791.1</u>
RefSeq Size:	2042 bp
RefSeq ORF:	1116 bp
Locus ID:	171114
UniProt ID:	<u>Q8VBU2</u>
Cytogenetics:	15p14
Gene Summary:	may play a significant role in mineralocorticoid signaling [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 3 both encode the same isoform (a).