

Product datasheet for **RN205931**

Npr1 (NM_012613) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npr1 (NM_012613) Rat Untagged Clone
Tag: Tag Free
Symbol: Npr1
Synonyms: Anpra; Gca; NPR-A; Npra
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN205931 representing NM_012613
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGGCTCCCGACGCGTCCGTCGCGCCTAAGGGCGCTGCTGCTGCTGCCGGCCTTCTGCTACTCC
 GGGGCGGCCACGCGAGCGACCTGACCGTGGCTGTGGTGTGCCGCTGACCAACACCTCGTACCCGTGGTC
 CTGGGCGCGTGTAGGGCCGGCCGTGGAAGTGGCTCTCGCGGGTGAAGGCTCGGCCGACTTGTGCCG
 GGTGGACGGTCCGCATGGTGTGGGCAGCAGTGAGAACGCGGGCGCTGCTCGGACACCGCCGCAC
 CGCTGGCCGCGGTGGACCTCAAGTGGGAGCACAGCCCCGCGGTGTTCTGGGCCCGGCTGCGTCTACTC
 CGCTGCCCGGTTGGGGCGCTTACCGCGCACTGGCGGGTCCCGTGTGACCGCCGGCGCCCGGCTCTG
 GGCATCGGGTCAAGGATGAGTATGCGCTAACCACCCGCACAGGACCCAGCCATGTAAGCTGGGCGATT
 TCGTGACGGCGTGCATCGACGGCTGGGCTGGGAGCACCAGGCGCTGGTGTCTATGCGATCGGCTGGG
 CGACGACCGGCTTGTCTTCTATAGTGGAGGGCTGTACATGCGGGTGCCTGAACGCCTCAACATCACA
 GTGAATCACCAGGAGTTCGTCGAGGGCGACCCGGACCACTACCCCAAGCTACTGCGGGCGTGGCGGAA
 AGGGCAGAGTTATCTACATCTGCAGTTCCTCGGATGCCTCAGGAATCTGATGCTTCTGGCCCTGAACGC
 TGGCCTGACTGGGAGGACTATGTTTTCTCCACTGGATGTGTTGGGCAAAGCCTTAAGAGTGCCTCAG
 GGCTTTGTTCCCAAGAACCCCTGGGAAAGAGGAGATGGGCAGGACAGGAGTGCCCGCCAGGCTTTTCAGG
 CTGCCAAAATTACTTACAAAGAGCCTGATAATCCTGAGTACTTGAATTCCTGAAGCAGCTGAAACT
 CTTGGCTGACAAGAAGTTCAACTTCACCGTGGAGGATGGCCTGAAGAATATCATCCAGCCTCCTTCCAC
 GACGGGCTCCTGCTCTATGTCCAGGAGTACAGAGACTTGGCACAGGGGGAACTGTCACAGATGGAG
 AGAACATCACTCAGCGGATGTGGAACCGAAGCTTCCAAGGTGTGACAGGATACCTGAAAATTGATAGAAA
 CGGAGATCGGGACACCGATTTCTCTCTCTGGGATATGGATCCAGAGACGGGTGCCTTCAGGGTTGCTCTG
 AACTATAATGGTACTTCCAGGAGCTAATGGCTGTGTGAGAACACAAATTATACTGGCCTCTGGGATATC
 CACCTCCTGACGTCCTAAATGTGGCTTTGACAATGAGGACCCAGCCTGCAACCAAGACCACTTTTCCAC
 ACTGGAGGTTCTGGCTTTGGTGGCAGCCTCTCTGATTAGCTTCTGATTGTGCTTTTCTTCATATAC



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AGGAAGATGCAGCTGAAAAAGGAGCTGGTCTCAGAGTTGTGGCGGTGCGCTGGGAGGACTTGCAGCCCA
 GCAGCCTGGAGAGGCATCTTCGGAGCGCTGGCAGCCGGCTGACCTGAGTGGGCGAGGCTCCAATTATGG
 CTCCTCGCTAACCCAGGGGCCAGTTCCAAGTCTTTGCCAAGACAGCATACTATAAGGGCAACCTTGTG
 GCTGTGAAACGTGTGAACCGGAAACGCATTGAGTTGACACGAAAAGTCTGTTTGAACCTAAACATATGC
 GGGATGTGCAGAAATGAGCACTTGACAAGATTTGTGGGTGCTTGTACCGACCCCCAACATCTGTATCCT
 CACAGTACTGTCCCCGTGGAAGCCTACAGGACATTCTAGAGAATGAGAGTATCACCTGGACTGGATG
 TTTCCGGTACTCGCTACCAATGACATTGTCAAGGGAATGCTCTTTCTACACAATGGGCCCATTGTTCCT
 ATGGGAACCTCAAGTCATCCAACCTGTGTGGTAGACGGGCGCTTCGTGTTAAAGATCACAGACTACGGTCT
 TGAGAGCTTCAGAGACCCGGAGCCAGAGCAAGGACACACCCTCTTTGCCAAAAAATTGTGGACGGCACCT
 GAGCTCCTGCGAATGGCTTCGCCACCTGCCCGTGGCTCCCAAGCTGGGGATGTGTACAGCTTTGGTATCA
 TCCTGCAGGAGATTGCCCTAAGAAAGTGGGTCTTCTATGTGGAAGGTTTGGACCTCAGCCAAAAGAGAT
 CATTGAGCGTGTACTCGGGGTGAGCAGCCCCATTCCGACCCTCCATGGATCTGCAGAGCCACCTGGAG
 GAACTGGGCGAGTGTGCAGCGGTGCTGGGCAGAGGACCCACAGGAGCGGCCACCCTTTCAGCAGATTC
 GCCTGGCGCTGCGCAAGTTCAACAAGGAGAACAGCAGCAACATCTGGACAACCTGCTGTACGCATGGA
 GCAGTATGCTAACACCTGGAGGAACTGGTAGAGGAGAGAACACAAGCTTATCTGGAGGAGAAGCGCAA
 GCTGAGGCCTTGCTTTACCAGATTCTGCCTCACCTCCGTGGCTGAGCAGCTGAAGAGAGGGCAGACAGTCC
 AGGCTGAGGCCTTTGATAGTGTACCATCTACTTCAGTGATATTGTGGGCTTTACAGCTCTTTCAGCAGA
 AAGCACACCCATGCAGGTGGTACTCTGCTCAATGATCTGTACACCTGTTTTGATGCTGTATAGACAAC
 TTTGATGTGTACAAGGTGGAGACCATTGGTGTGCTTACATGGTGGTGTGAGGGCTCCAGTGGCGAATG
 GACAACCCACGCCCCGAGAGGTGGCCCCGAATGGCACTTGCACTACTGGATGCTGTGCGCTCTTCCGCAT
 CCGCCATAGGCCCCAGGAACAGCTGCGCTTGGCATTGGCATCCACACAGGCTCTGTGTGTGCTGGTGTG
 GTAGGGCTAAAGATGCCCGATACTGCCTCTTTGGAGACACAGTCAACACAGCTTCAAGAATGGAGTCTA
 ATGGAGAAGCCCTCAAGATCCACTTGTCTTCAGAGACCAAGGCTGTGCTGGAAGATTCGATGGTTTCGA
 GCTGGAGCTCCGAGGGGATGTGGAATGAAGGGCAAAGGCAAGGTTCCGACCTATTGGCTCTGGGGGAG
 CGGGGATGTAGCACTCGAGGCTGA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2337_a01.zip

Restriction Sites: SgfI-NotI

ACCN: NM_012613

Insert Size: 3174 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_012613.1](#), [NP_036745.1](#)

RefSeq Size: 4068 bp

RefSeq ORF: 3174 bp

Locus ID: 24603

UniProt ID: [P18910](#)

Cytogenetics: 2q34

Gene Summary: receptor for atrial natriuretic peptide [RGD, Feb 2006]