

Product datasheet for **RN209813**

Nppb (NM_031545) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nppb (NM_031545) Rat Untagged Clone
Tag: Tag Free
Symbol: Nppb
Synonyms: Bnf; BNP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN209813 representing NM_031545
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCTCCAGAAGGTGCTGCCCCAGATGATTCTGCTCCTGCTTTTCCTTAATCTGTCGCCGCTGGGAG
 GTCACCTCCCATCCCCTGGGAAGTCTAGCCAGTCTCCAGAACAATCCACGATGCAGAAGCTGCTGGAGCT
 GATAAGAGAAAAGTCAGAGGAAATGGCTCAGAGACAGCTCTCAAAGGACCAAGGCCCTACAAAAGAACTT
 CAAAAAGAGTCCTTAGGTCTCAAGACAGCGCCTCCGGATCCAGGAGAGACTTCGAAATCCAAGATGG
 CACATAGTTCAAGCTGCTTTGGGCAGAAGATAGACCGGATCGGCCAGTCAGTCGCTTGGCTGTGACGG
 GCTGAGGTTGTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1891_f10.zip
Restriction Sites: SgfI-MluI
ACCN: NM_031545
Insert Size: 366 bp



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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_031545.1](#), [NP_113733.1](#)

RefSeq Size: 628 bp

RefSeq ORF: 366 bp

Locus ID: 25105

UniProt ID: [P13205](#)

Cytogenetics: 5q36

Gene Summary: hormone produced primarily by the atrium and ventricle of the heart [RGD, Feb 2006]