

Product datasheet for **RN215779**

Nps (NM_001271113) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nps (NM_001271113) Rat Untagged Clone
Tag: Tag Free
Symbol: Nps
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215779 representing NM_001271113
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTGGCTCATTAAACTCAACCTCATCTTAGCTCTGTGCTGTCCGTGGTACACGTGATTTGGAGTT
ATCCGGTCCTCTCTTCCAAGGTGCCTGGGAAGCCTGATTACTTTCTCATTTTGCTGAGTACCTGCCAGC
CAGGCTGGAGGGGAGCGACGGGCTAGCTTTTCTAAAGCCAATTTGGAGAAGACGTCGATGAAAAGGTCC
TTTCGCAACGGAGTCGGCTCAGGGGTGAAAAAACTTCATTTTGAAGAGCAAAGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271113
Insert Size: 270 bp
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).



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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_001271113.1](#), [NP_001258042.1](#)

RefSeq Size: 270 bp

RefSeq ORF: 270 bp

Locus ID: 100360071

UniProt ID: [P0C0P7](#)

Cytogenetics: 1q41

Gene Summary: May play an important anorexigenic role. Modulates arousal and anxiety as well as increases locomotor activity. Binds to its receptor NPSR1 with nanomolar affinity to increase intracellular calcium concentrations.[UniProtKB/Swiss-Prot Function]