

## Product datasheet for **RN210301**

### **Npffr1 (NM\_022291) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Npffr1 (NM_022291) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npffr1
Synonyms:	Gpr147; NPFF1; OT7T022
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210301 representing NM\_022291  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGGCGGAGCCCTCCAGCCTCCCAACGGCAGCTGGCCCTGGGTGAGAACGGGAGTGATGTGGAGA  
 CCAGCATAGCAACCAGCCTCACCTTCTCCTCTACTACCAACACTCCTCTCCGGTGGCAGCCATGTTTCAT  
 CGCGGCCCTACGTGCTCATCTTCTCCTCTGCATGGTGGGCAACACCCTGGTCTGCTTCATTGTGCTCAAG  
 AACCGGCACATGCGCACTGTACCAACATGTTTATCCTCAACCTGGCCGTGAGCGACCTGCTGGTGGGCA  
 TCTTCTGCATGCCACAACCCTTGTGGACAACCTATCACTGGTTGGCCTTTTGACAACGCCACATGCAA  
 GATGAGCGGCTTGGTGCAGGGCATGTCCGTGTCTGCATCGGTTTTACACTGGTGGCCATCGCTGTGGAA  
 AGGTTCCGCTGCATCGTGCACCCTTCCGCGAGAAGCTGACCCTCGGAAGGCGCTGTTACCATCGCGG  
 TGATCTGGGCTCTGGCGCTGCTCATCATGTGTCCCTCGGCGGTCACTCTGACAGTACCCGAGAGGAGCA  
 TCACTTATGCTGGATGCTCGTAACCGCTCTACCCGCTCTACTGTGCTGGGAGGCCTGGCCCGAGAAG  
 GGCATGCCAAGGTCTACACCGCGGTGCTTTCGCGCACATCTACCTGGTGCCGCTGGCGCTCATCGTAG  
 TGATGTACGTGCGCATCGCGCGCAAGCTATGCCAGGCCCCCGGTCTGCGCGCGACACGGAGGAGGCGGT  
 GGCCGAGGGTGGCCGCACTTCGCGCCGTAGGGCCCGCTGGTGCACATGCTGGTTCATGGTGGCGCTTTC  
 TTCACGTTGTCTGGTGGCACTCTGGGTGCTGCTGCTCATCGACTATGGGGAGCTGAGCGAGCTGC  
 AACTGCACCTGCTGTGCGTCTACGCCTTCCCCTTGGCACACTGGTGGCCTTCTTCCACAGCAGCGCCAA  
 CCCCATCATCTACGGCTACTTCAACGAGAACTTCCGCCGCGCTTCCAGGCTGCCTTCCGTGCACAGCTC  
 TGCTGGCCTCCCTGGGCCGCCACAAGCAAGCCTACTCGGAGCGGCCAACCCGCTCTGCGCAGGCGGG  
 TGGTGGTGGAGTGAACCCAGCGACTCCGGCTGCCATCAGAGTCTGGCCCCAGCAGCGGGGTCCCAGG  
 GCCTGGCCGGCTGCCACTGCGAAATGGGCGTGTGGCCATCAGGATGGCCCGGGGAAGGGCCAGGCTGC  
 AACCATGCCCCCTACCATCCCGGCTGGAACATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_022291

**Insert Size:** 1299 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).

**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\_022291.2, NP\_071627.2

RefSeq Size: 1307 bp

RefSeq ORF: 1299 bp

Locus ID: 64107

Cytogenetics: 20q11

**Gene Summary:** a G protein-coupled receptor that binds neuropeptide FF and BIBP3226, an anorexigenic Y1 receptor ligand and has a potential role in feeding [RGD, Feb 2006]