

## Product datasheet for **RN202206**

### Opn5 (NM\_181772) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Opn5 (NM_181772) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Opn5
Synonyms:	Gpr136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN202206 representing NM\_181772  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTGAACACACTGCCCTGCCTCAGGATGAGCGCCTGCCCACTATCTTCGAGACGAGGACCCCT  
 TTGCTTCCAAACTTTCTGGGAAGCGGATTTGGTGGCTGGCTTTTACCTAACAAATATCGGGATTCTCTC  
 CACATTTGGAAATGGGTATGTCCTTTATATGCTTCTAGACGCAAGAAGAAGCTGAGACCTGCGGAAATA  
 ATGACTATTAATTTAGCAGTCTGTGATCTGGGATTTAGTTGTAGGCAAGCCATTCACCATCATCTCTT  
 GCTTCTGCCACCCTGGGTGTTTGGCTGGTTGGCTGCCGCTGGTATGGATGGGCTGGATTTTCTTTGG  
 CTGTGGAAGCCTGATTACCATGACTGCTGTCAGCCTGGACCGCTATCTGAAGATCTGTTATCTGTCTTAT  
 GGGGTCTGGCTGAAGAGAAAGCATGCCTACATCTGCCTGCCAGTCATCTGGGCTTATGCTCCTTCTGGA  
 CCACCATGCCCTTGGTGGCCTGGGGACTATGCACCTGAGCCCTTCGGAACCTCGTGCACCTGGACTG  
 GTGGCTGGCCAGGCTTCGGGTGGGGTCAAGTATTCATCTGAGCATCCTCTTCTCTGCCTCCTGCTG  
 CCAACGGCTGTGATTGTTTTCTCATACGCGAAGATCATTGCCAAGGTGAAATCTTCTTCTAAAGAGGTAG  
 CACATTTGCAGACTCGGATTCATAGCAGCCATGTGCTCGAGGTGAAGCTGACCAAGGGTCTAGTGAGAGC  
 AGATTCAGCCCAGAGTCTTACCCAGGTCCGTGTTTTCTACAGCAGAACCAATCAACTGCCATGTTTTG  
 AGTATCTCCCATTCAGAGTCTCAACTGTGGCGATGCTGATTTGTGCTGGTTTCTCATTGCCTGGATTC  
 CTTACGCGGTAGTCTCCGTGTGGTCAGCTTTTGGAAAGGCCGAACCTCCATCCCTATACAGCTCTCCGTGGT  
 GCCCAGCTCCTCGAAAATCTGCAGCGATGTACAACCAATCATCTACCAGTCAATTGATTACAGATTT  
 GCCTGTTGCCAGACTGGTGGTTTGAGAGCAACAAGAAGAAGTCTTTGGAAGACTTTAGTGACTTGAACC  
 AGATTCGAAGAGGAATAGTTCCTAAGTCAGGGCAAAATAGGAAACAAGACACAGCTGAGGAGCATGA  
 CCGAGGAACCATGCAGGTGATAGGGGAGGAGAGGAAGGAACAATGGAGTCCACATCCAACAGTTTAGTG  
 CCTTCGTTTTATTAGCATTGAAGGGATTTCAATTAACACAGCTCTTAGCTAACACTTTATCAATCAATA  
 CAAGTAATTTTCGAGCGGTAGAAAAACCTTCTAGCACCGAGGCTGCTGTCGCTGCTGTAAGGGA  
 TGCTGGTGAAGACGGCCTGACATTAGCAGACATGCACCTCAAAAATGTTGTTGTTCTCTCAAACAGAGCA  
 GTTCCAGATTTACTAGTCCCATGTTATGGATGGAGAGAGTACCAGTAATGACGGTACTGTGGCAAGAA  
 ATAAGCATCTGTGTTCTGAGGCCGAGAAACCCCGAGCTGTCCATCAGGGCTTCAGAAATAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_181772

**Insert Size:** 1605 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\\_181772.1](#), [NP\\_861437.1](#)

**RefSeq Size:** 1605 bp

**RefSeq ORF:** 1605 bp

**Locus ID:** 316259

**Cytogenetics:** 9q13

**Gene Summary:** G protein-coupled receptor [RGD, Feb 2006]