

## Product datasheet for **RN204919**

### **Rxfp2 (NM\_001012475) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rxfp2 (NM_001012475) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rxfp2
Synonyms:	Gpcr; Lgr8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN204919 representing NM\_001012475  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTTCTACTTCATGTCGTCCTTCTGATGGAGGTCAAAGATTTCACTGGCTGGCAGCAATATGG  
 TGGCTCCTCTGTGCCAAAAGGGTATTTCCCTGTGGGAATCTACCAAGTGCTTACCCCGAGCCTTCA  
 CTGCGACGGCGTGGATGATTGCGGGAATGGTGGGATGAGGACAACCTGTGGTGACACTAGTGGATGGACG  
 ACCATATTTGGCACAGTCCATGGAAATGTCAATAAAGTGACATTAACAGAGGAGTGCTTTCTCAGCCGGT  
 ACCCACAGCACTGTTACTGCAGAGAAAATGAAGTGAATGCGTAAACGCCGACTTAAAAGCTGTGCCAAA  
 GGTTTCCAGCAACGTAACATTACTATCTCTTAAGAAAAACAAAATTCACAGACTTCCAGTCAAGTTTTTC  
 AGCAAATACGCAGAACTCAGAAAGATATTCCTCCAGCACAACCTGCATCACACACATCTCCAGGAGAGCGT  
 TCCTTGGATTACATAACCTACAGATACTGTATCTCAGCCATAACTGCATTACCTCTCTCAGGCTGGGAT  
 ATTCAAAGACTTGATCAGCTCGCTTGGCTAATTTTAGATGACAACCAATCACCAGAATCTCACAGAGG  
 TCCTTACTGGATTAAACTCCTTGTCTTGTCCATGGTGAGTAACCGGCTGGAGGCCCTTCCTGAAA  
 GGCTGTGCGCCAGATGCCTCAACTCAACTGGGTGGATCTGGCAAACAATGGGATAAAGTTCATAACGAA  
 CTCACCTTCTGACGTGCGACTCGCTCACGGTCTGTTTCTGCCTAGAAATCAAATTTGGTTTTGTTC  
 GAGAAGACATTTTCTTCAATAAAAAATTTAGGAGAAGTGGACCTGTCTAGCAATGTGATAGCAAACTAC  
 CAGCCACCTTTTCCAGCGACCTTCACTTCTCCAAAAGCTGAACCTGTGCTCCAACCTCTTCTGTATGT  
 CCACAAGAACCAGTTTGGAGTCTCAACAACCTCAGTCTCTAGACCTGGAAAGGATAGAGATCCAAAC  
 AATAACACCGGAATGTTCCGGCCATGAAGAACCTTTCTACATATATTTGAAAACCTTTCCGGTACTGCT  
 CCTATGTTCCCATGTCGGAATCTGTATGCCCTGACTGATGGTATATCTTCACTGAGGACCTCTTGGC  
 TAACAGTATCCTCAGAGTGTCTGTCTGGGTTATAGCTTTTCACTACCTGCGCTGGGAATTTCTCGTCATA  
 GCCGTGAGATCTCTCATTAAAGGCTGAGAATACGACTCACGCTATGTCCATCAAAATCCTTTGTGTGCCG  
 ACTGCCTGATGGGGGTGTACCTGTTCTCCGTGGGCGTCTTTGACATCAAGTACCGAGGGCAGTATCAGAA  
 GTATGCGCTGCTGTGGATGGAGAGTGTACCCTGCCGCTGCTGGGCTTCTGGCCACGCTGTCCACAGAG  
 GTCTCGGTGCTGCTGCTGACATTCTGACCCTGGAGAAGTTCTGGTTCATCGTATTCCTTTCCAGCAACC  
 TGCGCCTGGGCAAGCGTCAGACGGCCGTGGTCTCGCCAGCATCTGGGTGGCGGGATTTCTCATAGCGGC  
 CGTTCCCTTACCAGCGAGGATATTTTGGCAACTTTTATGGGAAAACGGAGTCTGCTTCCCACTTCAT  
 TACGACCAAGCAGAAGATTTTGGAGTAGAGGGTACTCCCTTGGGATTTTCTAGGCGTGAACCTTGTGG  
 CTTTCTCGTCATCACGTTCTCCTATGTACCATGTTCTGCTCCATTAGAAAACAGCCCTCCAGACTGC  
 AGAAGTGAGGAGCCACATCGGGAAGGAGGTGGCTGTGCGCAACCGGTTCTTTTTCATCGTGTCTCTGAC  
 GCCATCTGCTGGATTCTGTGTTTGTGCTTAAATCCTGTCTCTCCTTCAAGTAGAGATACCAGGCACAA  
 TCACCTTCTGGATCGTGGTTTTTTTCTTCCGGTAAACAGCGCCTTAAACCCCATCCTCTACACTCTCAC  
 CACCTCCCTTTTAAAGGACAAGTTGAAACAGTTGCTGCACAAACATCGGAGGAAATCCATTTTCAAAGTT  
 AAGAAGAAAAGTCTATCTGCTCCATTGTGTGGACAGATGACTTCACTTAAACTTGGAGTGTGAACA  
 AAATAGCCCTTGGGGACAGTATAATGAAGCCGGTCTCCCGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001012475  
**Insert Size:** 2214 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](mailto: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\\_001012475.1](#), [NP\\_001012493.1](#)

**RefSeq Size:** 2214 bp

**RefSeq ORF:** 2214 bp

**Locus ID:** 363866

**Cytogenetics:** 12p12