

Product datasheet for **RN205689**

Rxfp1 (NM_201417) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp1 (NM_201417) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rxfp1
Synonyms:	Lgr7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN205689 representing NM_201417
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCTGGTCCATTCTTCTCTGCGTCTTCATTATTGGACGATATTTACACTTGGAAATGCACAGG
 ATGTCAGTTGTCCCTTGGCTCCTTCCCTGCGGGAACATCAGTAAGTGCCTGCCTCAGCTGCTCACTG
 CAATGGCGTGGACGACTGTGGGAACCAAGCTGATGAGGACAACCTGTGGAGACAACAATGGGTGGTCTCTA
 CAACTGGACAAAATATTTTGTAACTACTACAACTGACTTCCACAAATCCATTGAGGCAGAAAATTCCG
 AATGCTTGGTGGCTCTGTGCCATGCATTGTTTGTGCCGAGATCTAGAAGTACTGACTGTGACGAAGCCAA
 TTTACGAGCTGTCCATCAGTTTCTTCCAATGTGACTGTAATGTCCTGCAATGGAATTCATAAGAACG
 CTCCTCCCAACAGCTTCAGGAAGTACCATGACCTCCAAAAGCTGTCCTGCAAAAACAATAAGATTGCT
 CCGTCAGCGTCTCTGCCTCAGAGGACTGCACAGCCTCACTAACTGTACCTCAGTCACAACAGAATAAC
 CTTCTAAAGCCAGGGGTTTTTGAAGATCTCCACAGACTGGAATGGCTGATAATTGAAGACAATCACCTC
 AGTCGAATTTCCCACTCACATTTACGGACTAAATCTCTCATTCTGTTAGTGTGATGAATAATGCC
 TCACCCGTTTGCCTGACAAACCCCTCTGTGACGACATGCCCGGCTGCACTGGCTGGACTTTGAAGGCAA
 CCGAATCCATAATTTAAGAAATTTGACTTTTATTTCTGCAATAATTTAACTGTTTTGGTAAATGAGGAAA
 AACAAAATTAATCACTTAAATGAACATGCATTTACACACCTCCAGAACTAGATGAATGGATTTAGGAA
 GTAATAAGATTGAAAATCTACCGCAACATATTTAAGGATCTGAAGGAGCTGTCAAAATGAATATTTT
 TTATAACCCGATCCAGAAAATTTGAAGTAAATCAATTTGATTATCTTGCCAACTCAAGTCTCTCAGCCT
 GAAGGAATAGAAAATTTCAAATATCCAACAAAGGATGTTTAGACCTCTCATAAATCTCTCACATATACT
 TTAAGAAATTTCACTACTGTGGCTATGCCACACGTCGCGAGCTGCAAGCCCAACCGGATGGGATCTC
 CTCTCTTGAGAACCTCTTGCAAGCATCATCCAGAGAGTCTTTGTCTGGTCTGTCTGCCATCACCTGC
 TTTGAAACATCTTCGTTATTTGTATGCGACCATACATCAGTCTGAGAACAAGCTGCACGCCATGTCCA
 TCATGTCTCTGCTGTGCCGACTGCCTCATGGGAGTTTATTTATTTGTGATCGGCGCCTTTGACCTCAA
 GTTTGGGGAGAGTACAGGAAGCACGCACAGCCGTGGATGGAGAGTGTTTATTGTCAGTTCATGGGCTCA
 TTGGCCGTTCTGTCCACAGAAGTGTCCGTTCTACTTTTAACTTTCTGACACTGGAAAAGTACATCTGCA
 TCGTGTATCCTTTTCGGTGTAAAGGCCTCGAAAATGCAGAACAGTCGCGGTTCTGATTTTCATTTGGAT
 TACTGGGTTTATAGTGGCTTCGCTCCACTTGGCAATAAGGAATTTTCAAAAACACTACGGCACGAAT
 GGAGTATGTTTTCTCTTCAATCAGAAGACACGGGGAGTACTGGAGCCAGATTTATTCAGTGGTAAATTT
 TTCTTGGTATTAACCTGGTGGCCTTTATCATCATTGTGTTCTCCTATGGAAGCATGTTTTACAGTGTTC
 TCAAAGCACCATAAACAGCCACCGAAATACAGAAGCAGGTGAAGAAGGAGATGATCCTCGCCAAACGCTTT
 TTCTTTATTGTGTTACCGATGCATTGTGCTGGATTCCCATTTTATACTGAAATTTCTCTCACTGATTC
 GGGTGGAAATACCAGATACTATTACCTCTTGGGTGGTATTTTATCCTGCCTATCAACAGTGTCTTGAA
 CCCAATTATCTACAGTTGACCACTAGACCTTTCAAGGAAATGATCCATCAACTCTGGTACAACACTACAGA
 CAAAGGAGGTCTGTTGACAGGAAAGGACTCAGAAAGCATACTCCATCATTCTCTGGGTGAAATGT
 GGCCCTTGAGGAGATGTCCACTGAGTTCATGAAGCCGGATGCTTTCACAGACCCCTGTGATCTGTCGCT
 AGTTTCTCGGTCTAGACTCAATCTTATTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1942_f06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_201417

Insert Size: 2277 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 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_201417.1](#), [NP_958820.1](#)

RefSeq Size: 2277 bp

RefSeq ORF: 2277 bp

Locus ID: 295144

UniProt ID: [Q6R6I6](#)

Cytogenetics: 2q33

Gene Summary: G-protein coupled receptor that binds relaxin and induces cAMP production [RGD, Feb 2006]