

Product datasheet for **MC221411**

Rxfp1 (NM_212452) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp1 (NM_212452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rxfp1
Synonyms:	Gm1018; Lgr7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221411 representing NM_212452
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCTGGTCCATTCTTCTTCTGCATCTTCATTATTGGAAAAATTTCACTCTCGGAAGTGCACAGG
 ATGTCAGTTGTCCCTCGGCTCCTTCCCTGTGGGAACATGAGCAGGTGCCTGCCTCAGCTGCTCACTG
 CAATGGTGTGGACGACTGCGGGAACCGAGCTGATGAGGACCCTGCGGAGACAACAATGGGTGGTCTCTG
 CAACTGGACAAAATTTTTGCTAATTACTATAAACTGGCTTCCACTAACTCCTTTGAGGCAGAAAATTCCG
 AATGCTTGGTGGCTCTGTGCCATGCATTGTTTGTGCCGAGATCTAGAAGTTGACTGTGATGAAGCCAA
 TTTACGAGCTGTCCATCAGTTTCTTCCAATGTGACTGTAATGTCCTGCAGAGGAATTCATAAGAACA
 CTCCTCCCAACGGCTTCAGGAAGTACCATGAGCTGCAGAAGCTGTGCCTGCAAAAACAATAGGATCACT
 CCGTGAGCGTCTCTGCCTTCAGAGGACTGCGCAGCCTCACTAACTGTACCTCAGTCATAACAGAATAAC
 CTTCTAAAGCCAGGAGTTTTTGAAGATCTCCACAGACTGGAATGGCTGATAATTGAAGACAATCACCTC
 AGTCGAATTTCCCACTCACATTTACGGACTAAATTCCTTATTCTTATCTTATCTAGTGCTGATGAATAATGCC
 TCACCCGTTTGCCTGACAAACCCCTCTGTGACGACATGCCCCGCCTGCACTGGCTGGACTTTGAAGGCAA
 CCGTATCCATAATTTAAGAAATTTGACTTTTATTTCTGCAATAATTTAACTGTTTTGGTAAATGAGGAAG
 AACAAAATCAATTAATTAAGAACATGCATTTACACACCTCCAGAACTAGATGAATGGATTTAGGAA
 GTAATAAGATTGAAAATCTTCCACCGAACATATTTAAGGATCTGAAGGAGCTGTGCGCAATTGAATATTTT
 TTATAACCAATCCAGAAAATGAAGTAAATCAATTCGATTGTCTTGCCAACTCAAGTCTCTCAGCCTT
 GAAGGAATAGAAAATTTCAAATATCCAACAAAGGATGTTTAGACCGCTCATAAATCTCTCACATCTATT
 TTAAGAAATTTCACTACTGTGGATACGCACCACATGTGCGCAGCTGAAGCCCAACCGGATGGGATTTT
 ATCTCTAGAGAACCCTTTGGCAAGCATCATCCAGAGAGTCTTTGTCTGGTGTATCTGCCATTACCTGC
 TTTGAAAACATTTTTGTTATTTGTATGCGACCATACATCAGATCTGAGAACAAGCTGCATGCCATGTGCA
 TCATTTCTCTGCTGTGCTGACTGCCTAATGGGGTGTATCTATTTGTGATTGGTGCCTTTGACCTCAA
 GTTTCGGGGAGAGTACAATAAGCACGCACAGCCGTGGATGGAGAGTGTTTATTGTCAGTTTATGGGGTGC
 TTGGCCATTCTGTCCACAGAAGTATCCGTTTTACTTTTAACTTTCTGACATTGGAAAAGTACATCTGCA
 TTGTGTATCCTTTTCGGTGTAAAGGCCTCGAAAATGCAGAACAAACACGGTTCTGATTTTCATTTGGAT
 TATTGGGTTTATAGTGGCTTTTGTCTCACTTGGCAATAAGGAATTTTTCAAAAACACTATGGCACCAAT
 GGAGTATGCTTTCTCTTCAATCAGAAGACACGGGAAGTACTGGAGCCAGATTTATTCAGTGGTAAATTT
 TTCTTGGTATTAACCTGGTGGCATTATCATCATTGTGTTCTCCTATGGAAGCATGTTTTACAGTGTTC
 TCAAAGCTCCGTAACAGTAACCGAAATACAGAAGCAAGTGAAGAAGGAGGTGGTTCTCGCCAAACGCTTT
 TTCTTTATCGTTTTACCGACGCGCTGTGCTGGATTCCCATCTTCATACTGAAATTTCTTCACTGCTTC
 AGGTGGAATACCAGATTCTATTACCTCTTGGGTGGTATTTTTATTCTGCCTATCAACAGTGTCTTGAA
 CCCAATTATCTACAGTTGACCACTAGACCTTTCAAGGAAATGATCCATCAACTCTGGCACAACCTACAGA
 CAAAGAAGGTCTGTTGACAGGAAAGAGACTCAGAAGGCATATGCTCCATCATTCTCTGGGTGGAATGT
 GGCCCTTGACAGGAGATGTCTCTGGTTCATGAAGCCAGGCGCTTTCACAGACCCCTGTGATCTGTCGCT
 AGTTTCTCAGTCATCTAGACTCAATTCTTATTCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1894_c09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_212452

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_212452.1](#), [NP_997617.1](#)

RefSeq Size: 2277 bp

RefSeq ORF: 2277 bp

Locus ID: 381489

UniProt ID: [Q6R6I7](#)

Cytogenetics: 3 E3

Gene Summary: Receptor for relaxins. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. Binding of the ligand may also activate a tyrosine kinase pathway that inhibits the activity of a phosphodiesterase that degrades cAMP.[UniProtKB/Swiss-Prot Function]