

Product datasheet for **MC228748**

Rxfp2 (NM_001289564) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp2 (NM_001289564) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rxfp2
Synonyms:	Gpr106; Great; Lgr8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228748 representing NM_001289564
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCTCTACTTCATGTCATCCTTCTGACAGAGGTCAAAGATTTGCACTGGCTGACAGCAGTATGG
 TGGCTCCTCTGTGCCCAAAGGGTATTTCCCTGTGGGAATCTACCAAATGCTTGCCCCGAGCCTTTCA
 CTGCGATGGTGTGGATGATTGCGGGAATGGTGCCGACGAGGACAACCTGTGGTGACACTAGTGGATGGACA
 ACCATATTTGGCACAGTCCATGGGAATGTCAATAAAGTGACATTGACACAGGAGTCTTTCTCAGCCAGT
 ATCCACAGCACTGTTACTGCAGAGAAAATGAAGTGAATGTGTAAGGCTGACTTAAAAGCTGTGCCAAA
 GGTTTCCAGCAACGTAACATTACTATCTCTTAAGAAAAACAAAATCCACAGACTTCCAGTCAAGGTCTC
 AGCAGATACAGAACTCAGAAAGATATACCTCAGCACAACTGCATCACACACATCTCCAGGAGAGCAT
 TCCTTGGATTACATAATCTACAAATACTGTATCTCAGCCATAACTGCATTACCTCTCTCAGGCTGGGAT
 ATTCAAAGACTTGCATCAGCTTGGCTAATTTTAGATGACAACCCGATCACCAGAATCTCACAGAAG
 TCCTTTATGGGGTTAAACTCCTTGTCTTTCTTGTCCATGGTGGTAACCGGCTCGAGGCCCTTCCTGAAA
 CATTGTGTGCTCAGATGCCTCAACTCAACTGGGTGGATCTGGCAAACAATGGAATAAAGTACATAACGAA
 CTCCACCTTCTAACGTGCGACTCGCTCAGGTTCTGGACCTGTCTAGCAATATGATAACAAAACCTCCA
 GTCCACCTTTTACAGCAGCTTCTCTTCTCCAGAAGCTGAACCTGTATCCAACCTCTTCTGTATGTCC
 ACAAGAACCAGTTTGAAGTCTCAAACAACCTCAGTCTCTAGACCTGGAAAGGATAGAGATTCCAAACAT
 AAGCACAGGAATGTTCCAGCCAATGAAGAACCTTCTCACATTTATTTGAAAACCTTTGATACTGCTCC
 TATGTCCCCATGTCCGAATCTGTATGCCGTCGACTGATGGTATTTCTTCGTCTGAGGACCTCTTGCTA
 ACGGTATCCTCAGAGTCTGTCTGGTTATAGCTTTTATTACCTGCGTTGGGAATTTCTTGTCTATAG
 CGTGAGATCTCTCATTAAAGGCTGAGAATACAACCTCAGCTATGTCCATCAAAAATCCTTTGTGTCCGAT
 TGCTGATGGGGTGTACCTGTTCTCCGTGGGCTCTTTGACATCAAGTACCGAGGGCAGTATCAGAAGT
 ATGCGCTGCTGTGGATGGAGAGTGTGCCCTGCCGCTGCTGGGCTTCTGGCCACGCTGTCCACAGAGGT
 CTCGGTGTGCTGCTGACATTCTGACGCTGGAGAAGTTCCTTGTATAGTATTCCCTTTTACGCAACCTG
 CGCCTGGCAAGCGCCAGACTGCTGTGGCCCTCGCCAGCATCTGGGTGGTGGGATTTCTCATAGCGGCCG
 TTCCGTTACACAGAGAGGATTATTTCCGCAACTTTTATGGGAAAATGGAGTCTGCTTCCACTTCATTA
 TGACCAAGCAGAAGATTTTGAAGTAGAGGTAAGTCCCTTGGGATTTTCTAGGTGTGAAGTGTGCTGGCT
 TTCTCTGTCATCGTGATTTCTATGTCACCATGTTCTGCTCCATTATAAAACAGCCCTTACAGACTGCAG
 AAGTGAGGAGCCACATCGGGAAGGAGGTGGCTGTTGCAAACCGGTTCTTTTTATCGTGTTCTCTGATGC
 CATCTGCTGGATCCCTGTGTTTGTGCTTAAAGTCTGCTCTCCTTCAAGTGGAGATACCAGGCACAATC
 ACTTCTGGATCGTGGTTTTTTTCTTCCGGTGAACAGCGCTTAAACCCCATCTCTACACTCTGACGA
 CCTCTTTTTTAAAGACAAGTTGAAACAGTTGCTGCACAAACATCGGAGGAAACCCATCTTCAAAGTTAA
 GAAGAAAAGTTTATCCGCTTCCATTGTGTGGACAGACGAGTCTTCACTTAAACTTGGAGTGTGAGCAAA
 ATAGCCCTTGGGACAGTATAATGAAGCCGGTCTCCCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289564
Insert Size: 2142 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001289564.1 , NP_001276493.1
RefSeq Size:	3317 bp
RefSeq ORF:	2142 bp
Locus ID:	140498
UniProt ID:	Q91ZZ5
Cytogenetics:	5 89.23 cM
Gene Summary:	Receptor for relaxin. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. May also be a receptor for Leydig insulin-like peptide (INSL3) (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.