

Product datasheet for **MC228788**

Rxfp2 (NM_001289566) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp2 (NM_001289566) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rxfp2
Synonyms:	Gpr106; Great; Lgr8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228788 representing NM_001289566
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCTCTACTTCATGTCATCCTTCTGACAGAGGTCAAAGATTTGCACTGGCTGACAGCAGTATGG
 TGGCTCCTCTGTGCCCAAAGGGTATTTCCCTGTGGGAATCTACCAAATGCTTGCCCGAGCCTTCA
 CTGCGATGGTGTGGATGATTGCGGGAATGGTGCCGACGAGGACAACCTGTGGTGACACTAGTGGATGGACA
 ACCATATTTGGCACAGTCCATGGGAATGTCAATAAAGTGACATTGACACAGGAGTGCTTTCTCAGCCAGT
 ATCCACAGCACTGTTACTGCAGAGAAAATGAACTGGAATGTGTAAGGCTGACTTAAAAGCTGTGCCAAA
 GGTTTCCAGCAACGTAACATTACTATCTCTTAAGAAAAACAAAATCCACAGACTTCCAGTCAAGGTCTTC
 AGCAGATACAGAACTCAGAAAGATATACCTTCAGCACAACTGCATCACACACATCTCCAGGAGAGCAT
 TCCTTGGATTACATAATCTACAAATACTGTATCTCAGCCATAACTGCATTACCTCTCTCAGGCTGGGAT
 ATTCAAAGACTTGCATCAGCTTGGCTAAATATCCCTAACATTGGAAACATTTTGATGTGTTTTGTC
 AGAATTTTAGATGACAACCCGATCACCAGAATCTCACAGAAGTCCTTTATGGGGTAAACTCCTGTGTTT
 TCTTGCCATGGTGGTAACCGGCTCGAGGCCCTTCTGAAACATTGTGTGCTCAGATGCCTCAACTCAA
 CTGGGTGGATCTGGCAAACAATGGAATAAAGTACATAACGAACTCCACCTTCTAACGTGCGACTCGCTC
 ACGGTTCTGGACCTGTCTAGCAATATGATAACAAAACCTCCAGTCCACCTTTTACGCGACCTTCACTTC
 TCCAGAAGCTGAACCTGTATCAACCTCTTCTGTATGTCCACAAGAACCAGTTTGAAGTCTCAAACA
 ACTTCAGTCTCTAGACCTGGAAGGATAGAGATTCCAAACATAAGCACAGGAATGTTCCAGCCAATGAAG
 AACCTTCTCACATTTATTTGAAAACCTTTCGATACTGCTCCTATGTCCCCATGTCCGAATCTGTATGC
 CGTCGACTGATGGTATTTCTCGTCTGAGGACCTTTGGCTAACGGTATCCTCAGAGTGTCTGTGGGT
 TATAGCTTTCATTACCTGCGTTGGGAATTTCTTGTGTCATAGCCGTGAGATCTCTCATTAAAGGCTGAGAA
 TCAACTCACGCTATGTCCATCAAATCCTTTGTTGCGGATTGCTGATGGGGTGTACCTGTTCTCCG
 TGGGCGCTTTTGACATCAAGTACCGAGGCGAGTATCAGAAGTATGCGCTGCTGTGGATGGAGAGTGTGCC
 CTGCCGCTGCTGGGCTTCTGGCCAGCTGTCCACAGAGGTCTCGGTGCTGCTGCTGACATTCCTGACG
 CTGGAGAAGTTCCTTGTATAGTATTCCTTTCAGCAACCTGCGCTGGGCAAGCGCCAGACTGCTGTGG
 CCCTCGCCAGCATCTGGGTGGTGGGATTTCTCATAGCGGCCGTTCCGTTACCAGAGAGGATTTTCGG
 CAACTTTTATGGGAAAAATGGAGTCTGCTTCCACTTCATTATGACCAAGCAGAAGATTTTGAAGTAGA
 GGGTACTCCCTTGGGATTTTCTAGGTGTGAACCTGCTGGCTTCTCGTATCGTGATTTCTATGTCA
 CCATGTTCTGCTCCATTCATAAAACAGCCCTTCAGACTGCAGAAGTGAGGAGCCACATCGGGAAGGAGGT
 GGCTGTTGCAAACCGGTTCTTTTTATCGTGTCTCTGATGCCATCTGCTGGATCCCTGTGTTTGTGCTT
 AAGATCCTGTCTCCTTCAAGTGGAGATACCAGGCACAATCACTTCTGGATCGTGGTTTTTCTTCTC
 CGGTGAACAGCGCCTTAAACCCATCCTTACACTCTGACGACCTCCTTTTTTAAGGACAAGTTGAAACA
 GTTGCTGCACAAACATCGGAGGAAACCCATCTTCAAAGTTAAGAAGAAAAGTTTATCCGCTTCCATTGTG
 TGGACAGACGAGTCTTCACTTAACTTGGAGTGTGAGCAAAATAGCCCTTGGGGACAGTATAATGAAGC
 CGGTCTCCCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289566
Insert Size: 2184 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.
RefSeq:	<u>NM_001289566.1</u> , <u>NP_001276495.1</u>
RefSeq Size:	3359 bp
RefSeq ORF:	2184 bp
Locus ID:	140498
UniProt ID:	<u>Q91ZZ5</u>
Cytogenetics:	5 89.23 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site and lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>