

Product datasheet for **MR230999**

Rxfp2 (NM_001289566) Mouse Tagged ORF Clone

Product data:

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



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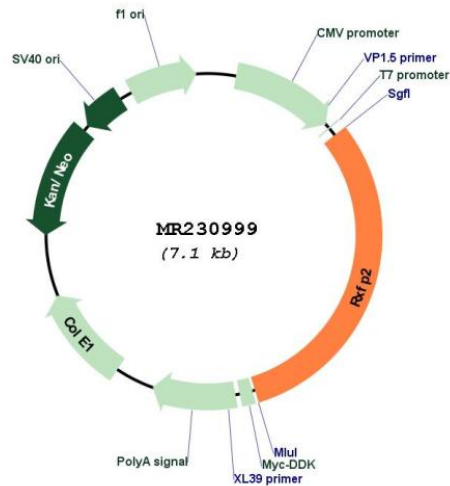
ORF Nucleotide Sequence:

>MR230999 representing NM_001289566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCTCTACTTCATGTCATCCTTCTGACAGAGGTCAAAGATTTGCACTGGCTGACAGCAGTATGG
 TGGCTCCTCTGTGCCCAAAGGGTATTTCCCTGTGGGAATCTACCAAATGCTTGCCCCGAGCCTTTCA
 CTGCGATGGTGTGGATGATTGCGGGAATGGTGCCGACGAGGACAACCTGTGGTGACACTAGTGGATGGACA
 ACCATATTTGGCACAGTCCATGGGAATGTCAATAAAGTGACATTGACACAGGAGTGCTTTCTCAGCCAGT
 ATCCACAGCACTGTTACTGCAGAGAAAATGAACTGGAATGTGTAAGGCTGACTTAAAAGCTGTGCCAAA
 GGTTTCCAGCAACGTAACATTACTATCTCTTAAGAAAAACAAAATCCACAGACTTCCAGTCAAGGTCTTC
 AGCAGATACAGAACTCAGAAAGATATACCTTCAGCACAACTGCATCACACACATCTCCAGGAGAGCAT
 TCCTTGGATTACATAATCTACAAATACTGTATCTCAGCCATAACTGCATTACCTCTCTCAGGCTGGGAT
 ATTCAAAGACTTGCATCAGCTTGTCTGGCTAAATATCCCTAACATTGGAAACATTTTGATGTGTTTTGTC
 AGAATTTTAGATGACAACCCGATCACCAGAATCTCACAGAAGTCCTTTATGGGGTAAACTCCTGTGTTTT
 TCTTGCCATGGTGGTAACCGGCTCGAGGCCCTTCTGAAACATTGTGTGCTCAGATGCCTCAACTCAA
 CTGGGTGGATCTGGCAAACAATGGAATAAAGTACATAACGAACCTCCACCTTCTAACGTGCGACTCGCTC
 ACGGTTCTGGACCTGTCTAGCAATATGATAACAAAACCTCCAGTCCACCTTTTACAGCGACCTTCACTTC
 TCCAGAAGCTGAACCTGTCAACCCCTTCTGTATGTCCACAAGAACCAGTTTGAAGTCTCAAACA
 ACTTCAGTCTCTAGACCTGGAAAGGATAGAGATTCCAAACATAAGCACAGGAATGTTCCAGCCAATGAAG
 AACCTTCTCACATTTATTTGAAAACCTTTCGATACTGCTCCTATGTCCCCATGTCCGAATCTGTATGC
 CGTCGACTGATGGTATTTCTCGCTGAGGACCTTTGGCTAACGGTATCCTCAGAGTGTCTGTGGGT
 TATAGCTTTCATTACCTGCGTTGGGAATTCCTTGTGATAGCCGTGAGATCTCTCATTAAGGCTGAGAA
 ACAACTCACGCTATGTCCATCAAATCCTTTGTTGTGCCGATTGCCTGATGGGGTGTACCTGTTCTCCG
 TGGGCGTCTTTGACATCAAGTACCGAGGCGAGTATCAGAAGTATGCGCTGCTGTGGATGGAGAGTGTGCC
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 CTGGAGAAGTTCCTTGTCAATAGTATTCCTTTCAGCAACCTGCGCTGGGCAAGCGCCAGACTGCTGTGG
 CCCTCGCCAGCATCTGGGTGGTGGGATTTCTCATAGCGGCCGTTCCGTTACCAGAGAGGATTTTCGG
 CAACCTTTATGGGAAAAATGGAGTCTGCTTCCACTTCATTATGACCAAGCAGAAGATTTTGAAGTAGA
 GGGTACTCCCTTGGGATTTTCTAGGTGTGAACCTTGTGGCTTCTCGTCATCGTGATTTCTATGTCA
 CCATGTTCTGCTCCATTCATAAAACAGCCCTTCAGACTGCAGAAGTGAGGAGCCACATCGGAAGGAGGT
 GGCTGTTGCAAACCGGTTCTTTTTATCGTGTCTCTGATGCCATCTGCTGGATCCCTGTGTTTGTGCTT
 AAGATCCTGTCTCCTTCAAGTGGAGATACCAGGCACAATCACTTCTGGATCGTGGTTTTTTTCTTTC
 CGGTGAACAGCGCCTTAAACCCATCCTTACACTCTGACGACCTCCTTTTTTAAGGACAAGTTGAAACA
 GTTGCTGCACAAACATCGGAGGAAACCCATCTTCAAAGTTAAGAAGAAAAGTTTATCCGCTTCCATTGTG
 TGGACAGACGAGTCTTCACTTAACTTGGAGTGTGAGCAAAATAGCCCTTGGGGACAGTATAATGAAGC
 CGGTCTCCCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001289566

ORF Size: 2181 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001289566.1](#), [NP_001276495.1](#)

RefSeq Size: 3359 bp

RefSeq ORF: 2184 bp

Locus ID: 140498

UniProt ID: [Q91ZZ5](#)

Cytogenetics: 5 89.23 cM

MW: 82.3 kDa

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]