

## Product datasheet for MR220249

### Rxfp4 (NM\_181817) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp4 (NM_181817) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rxfp4
Synonyms:	GPCR142; Gpr100; Rln3r2; SALPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220249 representing NM_181817 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACATCCAATTCTTCTGCCTCTCTGCCACCCTTCTGGGTCAATGGCTCTGGAGACAGCGTGC  
TGAGCACTGACGGTGTGCCATGCCTGTCCAGTTCCTTGTCTGAGGATCATGGTTCAGCTGGCCTATGG  
ACTTGTAGGTATCATTGGCTTGTGGGAAATTTGGCCGACTGTGGGTTCTAGGTAAGTGTGGTCAAGCT  
GTGCCCGCCTGTCTTCTGATACCTTTGTCTTCAGCCTGGCTCTAGCAGACTTGGGGCTGGCCCTTACTC  
TCCCTTTCTGGGCAACCGAGTCAGCAATGGACTTCCACTGGCCTTCGGAAGTCCCTCTGCAAGGTAGT  
CCTGACCACCACCGTCTCAGCATCTATGCCAGCACCTTCTTAATCACAGCACTGAGTATCGCGCGATAC  
TGGGTGGTAGCCATGGCTGTGGGACCAGGTAGTCACCTCTCAGTCTTTTGGGCCCGTGTGGTCAACCTGG  
CAGTGTGGGTGGCAGCTGCCCTGGTACTGTGCCACAGCAATCTTTGGGGCTGAAGTTGAGTTGTGGGG  
CGTGTGCCTCTGTCTTCTGCGTTTCCCCAGCAGATACTGGCTGGGAGCTTACCAGCTACAGAGGGTAGTT  
CTGGCCTTCATCGTGCCTTGGGAGTCAATACCACAGTTACCTGCTGCTGTGGCCTTTCTAGAGCGGC  
AGCAAAGATGCAGGCCACGACAATGGCAGGACAGCCGAGTGGTAGCCCGCTCTGTCCGTCTCCTGGTGGC  
TTCCTTCGCCCTCTGCTGGGTTCCCAACCATGTAGTCACTCTCTGGGAAATCTGGTAAGGTTTGACCTG  
GTGCCCTGGGACAGTACTTTCTACACCTTTCATACTTACATCTCCCATCACCACCTGCTTGGCCACAC  
GCAACAGCTGCCTCAACCTGTGATCTATTGTCTCCTGCGGCGGGAGCCCCAGCAGGTTCTTGTCACTC  
CTTCAGAGCTCTCTGGTCAAGACTGTGGCCTCAAAGGAAGGCCTGCATGGAACAAATGGCCCTCAAGGAG  
GTAGGCGGGAGAACGGTAGCCAGCACCCAGGAGAGTGGCTCTTCTAGGACACACAAACACAATGGAAC  
ACCTGGATGAAGGATGCAGCCTGAACACTCTCCTTTCTGAGACCTATCAGGGGCAGAGCCCCAGATTCT  
AGGGAGGAGCAGTCTCTCAGTCAGGCTGCTGTGTCGCCAGGAGAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGGTTTAA



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**Protein Sequence:** >MR220249 representing NM\_181817  
Red=Cloning site Green=Tags(s)

MATSNSSASLPTLFWVNGSGDSVLSTDGAAMPVQFLVLRIMVALAYGLVGIIGLLGNLAVLWVLGNCGQR  
 VPGLSSDTFVFLALADLGLALTLFWATESAMDFHWPFGSALCKVVLTTTVLSIYASTFLITALSIARY  
 WVVAMAVGPGSHLSVFWARVVTLAVWVAALVTVPTAIFGALEVELWGVCLCLLRFPSRYWLGAYQLQRVV  
 LAFIVPLGVITTSYLLLLAFLERQQRPRQWQDSRVVARSVRVLVASFALCWVPNHVVTLWEILVRFDL  
 VPWDSTFYTFHTYILPITTCCLAHSNSCLNPVIYCLLRREPQQVLVSSFRALWSRLWPQRKACMEQMALKE  
 VGGRTVASTQESGSRTHNTMEHLDEGCSLNTLLSETYQGQSPQILGRSSCSLSQAAVSPGEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1869\\_b03.zip](https://cdn.origene.com/chromatograms/ja1869_b03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181817

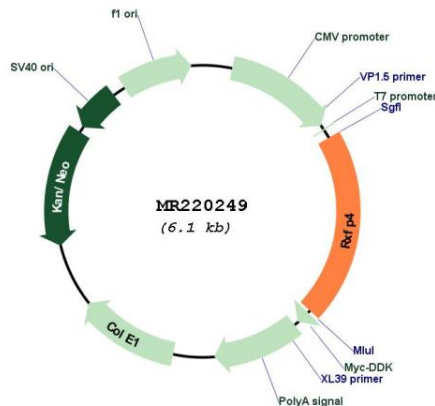
**ORF Size:** 1242 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_181817.1, NP_861538.1</u>
<b>RefSeq Size:</b>	1245 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	242093
<b>UniProt ID:</b>	<u>Q7TQP4</u>
<b>Cytogenetics:</b>	3 F1
<b>MW:</b>	45.9 kDa
<b>Gene Summary:</b>	High affinity receptor for INSL5. Also acts as receptor for RLN3/relaxin-3, as well as bradykinin and kallidin. Binding of the ligand inhibit cAMP accumulation (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220249