

## Product datasheet for **MG220249**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rxfp4 (NM_181817) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rxfp4
Synonyms:	GPCR142; Gpr100; Rln3r2; SALPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220249 representing NM_181817 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACATCCAATTCTTCTGCCTCTCTGCCACCCTTTCTGGGTCAATGGCTCTGGAGACAGCGTGC  
TGAGCACTGACGGTGCTGCCATGCCTGTCCAGTTCCTTGTCTGAGGATCATGGTTGCACTGGCCTATGG  
ACTTGTAGGTATCATTGGCTTGTGGGAAATTTGGCCGACTGTGGGTTCTAGGTAAGTGTGGTCAAGCT  
GTGCCCGCCTGTCTTCTGATACCTTTGTCTTCAGCCTGGCTCTAGCAGACTTGGGGCTGGCCCTTACTC  
TCCCTTTCTGGGCAACCGAGTCAGCAATGGACTTCCACTGGCCTTTCGGAAGTCCCTCTGCAAGGTAGT  
CCTGACCACCACCGTCTCAGCATCTATGCCAGCACCTTCTTAATCACAGCACTGAGTATCGCGCGATAC  
TGGGTGGTAGCCATGGCTGTGGGACCAGGTAGTCACCTCTCAGTCTTTTGGGCCCGTGTGGTCAACCTGG  
CAGTGTGGGTGGCAGCTGCCCTGGTGACTGTGCCACAGCAATCTTTGGGGCTGAAGTTGAGTTGTGGGG  
CGTGTGCCTCTGTCTTCTGCGTTTCCCCAGCAGATACTGGCTGGGAGCTTACCAGCTACAGAGGGTAGTT  
CTGGCCTTCATCGTGCCCTTGGGAGTCAATACCACCAGTTACCTGCTGCTGTGGCCTTCTAGAGCGGC  
AGCAAAGATGCAGGCCACGACAATGGCAGGACAGCCGAGTGGTAGCCCGCTCTGTCCGTCTCCTGGTGGC  
TTCCTTCGCCCTCTGTGGTTCCTCAACCATGTAGTCACTCTCTGGGAAATCTGGTAAGGTTTGACCTG  
GTGCCCTGGGACAGTACTTTCTACACCTTTCATACTTACATCCTTCCCATCACCACCTGCTTGGCCACA  
GCAACAGCTGCCTCAACCTGTGATCTATTGTCTCCTGCGGCGGAGCCCGAGCAGGTTCTTGTCACTC  
CTTCAGAGCTCTCTGGTCAAGACTGTGGCCTCAAAGGAAGGCCTGCATGGAACAAATGGCCCTCAAGGAG  
GTAGGCGGGAGAACGGTAGCCAGCACCCAGGAGAGTGGCTCTTCTAGGACACACAAACACAATGGAAC  
ACCTGGATGAAGGATGCAGCCTGAACACTCTCCTTTCTGAGACCTATCAGGGGCAGAGCCACAGATTCT  
AGGGAGGAGCAGTCTCTCAGTCAGGCTGCTGTGTCGCCAGGAGAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220249 representing NM\_181817  
 Red=Cloning site Green=Tags(s)

MATSNSSASLPTLFWVNGSGDSVLSTDGAAMPVQFLVLRIMVALAYGLVGIIGLLGNLAVLWVLGNCGQR  
 VPLGSSDTFVFLALADLGLALTLFPWATESAMDFHWPFGSALCKVVLTTTVLSIYASTFLITALSIARY  
 WVVAMAVGPGSHLSVFWARVVTLAVWVAALVTVPATIFGALEVELWGVCLCLLRFPSRYWLGAAYQLQRVV  
 LAFIVPLGVITTSYLLLLAFLERQQRPRQWQDSRVVARSVRVLVASFALCWVPHVVTLWEILVRFDL  
 VPWDSTFYTFHTYILPITTCCLAHSNSCLNPVIYCLLRREPQQVLVSSFRALWSRLWPQRKACMEQMALKE  
 VGGRTVASTQESGSRTHNTMEHLDEGCSLNTLLSETYQGQSPQILGRSSCSLSQAAVSPGEV

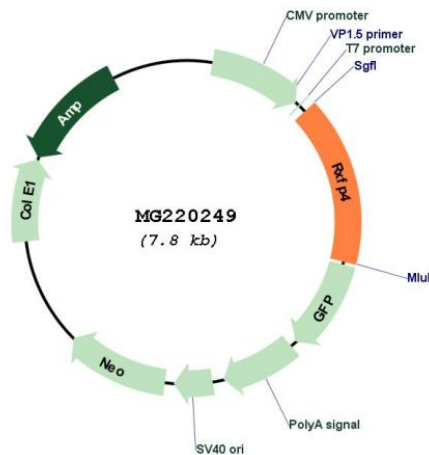
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_181817

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">NM_181817.1</a> , <a href="#">NP_861538.1</a>
<b>RefSeq Size:</b>	1245 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	242093
<b>UniProt ID:</b>	<a href="#">Q7TQP4</a>
<b>Cytogenetics:</b>	3 F1
<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]