

## Product datasheet for **MG220087**

### Gpr139 (NM\_001024138) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr139 (NM\_001024138) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gpr139  
**Synonyms:** Gm495; GPRg1; PGR3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220087 representing NM\_001024138  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCACACGCACGCCACCTCGCTGCGAATAGCTCGGCTTGC GGCTTAGGCTTCGTGCCGGTGGTCT  
 ACTACAGCTTCTTGCTGTGCCTCGGGTTACCAGCAAATATCTTGACAGTCATTATCCTCTCAACTGGT  
 AGCCAGAAGACAGAAGTCTCTACAATATCTTCTGGCACTTGCTGCTGACATCTTGGTCTCTTT  
 TTCATTGTCTTTGTGGATTTCTTGTTAGAAGATTTCAATTTGACCATGCAGATGCCTCTGATCCCTGACA  
 AGATCATAGAAGTCTAGAGTTCTCTCCATCCCACTTCTATTTGGATTACGGTCCCCTAACGGTTGA  
 CAGGTATATCGCTGTCTGTACCCCACTCAAATACCACACAGTTTCTACCCAGCCAGGACCCGAAAGTC  
 ATTCTGAGTGTTACATAACTTGCTTCCCTGACCAGTATCCCTACTACTGGTGGCCTAACATCTGGACCG  
 AAGACTACATCAGCACCTCCATGCATCATGTCTTGCTGGATCCACTGTTTCACCGTGTACCTGGTGCC  
 CTGCTCCATCTTCTTCACTTGAAGTCCATCATTTGTGTACAAGCTTAGGAGAAAGAGCAATTTCCGCCTC  
 CGTGGCTATCCACAGGGAAGACCACTGCCATCTGTTTACCATTACCTCCATCTTCGCCACCCTCTGGG  
 CCCCCGCATCATCATGATTCTCTACCACCTCTACGGAGACCCATCCAGAACCCTTGGCTGGTCCACAT  
 CATGTTGGATGTTGCCAATGCTAGCCCTTCTGAACACAGCCATCAACTCTTTCTCTACTGCTTCATC  
 AGCAAGCGCTTCGTACCATGGCAGCTGCCACACTCAAGGCCTTGTCAAGTGTGAGAAGCAGCCTGTAC  
 AGTTCTATACCAACCATAACTTTTCCATAACAAGTAGTCCCTGGATCTCACCAGCAAACCTCACACTGCAT  
 CAAGATGCTGGTGTACCAGTATGACAAACATGAAAGCCTATAAAAGTATCCCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220087 representing NM\_001024138  
 Red=Cloning site Green=Tags(s)

MEHTHAHLAANSSACGLGFVPVVVYYSFLLCLGLPANILTVIILSQLVARRQKSSYNYLLALAAADILVLF  
 FIVVDFLLEDFILTMQMPILIPDKIIEVLEFSSIIHTSIWITVPLTVDRYIAVCHPLKYHTVSYPARTRKV  
 ILSVYITCFLTSIPYYWPNWIWEDYISTSMHHVLVWIHCFTVYLVPCSIFFILNSIIVYKLRKSNFRL  
 RGYSTGKTTAILFTITSIFATLWAPRIIMILYHLYGAPIQNPWL VHIMLDVANMLALLNTAINFFLYCFI  
 SKRFRTMAAATLKALFKCQKQPQVQFYTNHNF SITSSPWISPANSHCIKMLVYQYDKHGKPIKVSP

TRTRPLE - GFP Tag - V

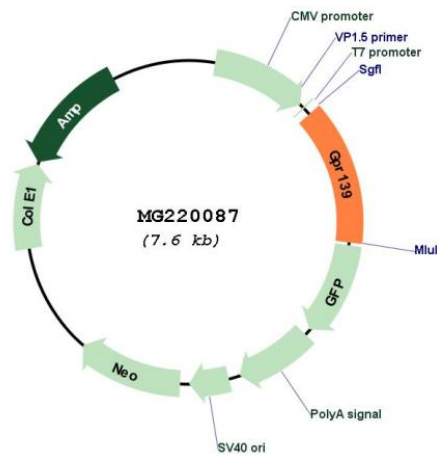
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001024138

**ORF Size:** 1035 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_001024138.2</a>
<b>RefSeq Size:</b>	1038 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	209776
<b>UniProt ID:</b>	<a href="#">Q80UC8</a>
<b>Cytogenetics:</b>	7 F2
<b>Gene Summary:</b>	Orphan receptor. Seems to act through a G(q/11)-mediated pathway.[UniProtKB/Swiss-Prot Function]