

## Product datasheet for **MG207027**

### Gprc5c (BC031439) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gprc5c (BC031439) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gprc5c  
**Synonyms:** 1110028I06Rik; 3200002M13Rik; Raig3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG207027 representing BC031439  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCACTCACAGAACCTTGCTGATGTGCCTAGGACTGCCTCTCTTCTCCAGGAGCCTTGGCCAGA  
 ATCATGCCCCACCTGGTTGCAGCCAGATCTGGATCCCCCTACTACAACCTCTGTGACCCTCGGGGGC  
 CTGGGGCATTGTCTCGGAGGCAGTGGCTGGAGCAGGCATCATCACGACATTTGTGTTAACCATCATCCTC  
 GTGGCTAGCCTTCCATTTGTGCAGGACACTAAGAAGCGGAGCCTCTTGGGACCCAGGTGTTCTTCTGCTC  
 TGGGCACCCTGGGTCTTCTGCCTCGTGTTCCTGTGTGGTGAAGCCGGACTTCTCTACCTGTGCCTC  
 TCGACGCTTCTCTTGGGGTCTGTTGCCATCTGCTTCTCCTGTCTGGTAGCTCACGCTTTCCCTC  
 AACTTCTAACC CGGAAGAACCATGGGCCCCGAGGCTGGGTGATCTTACCCTGGCGCTGCTGCTACCC  
 TTGTGGAGGTCATCATTAAACACCGAGTGGCTTATCATCACCTGGTACGGGGAGGTGGCCAGGTTAGCCC  
 CCTGGGCAATGTCAAGTCCGACTCGACCATGACCTCTCCGTGTGCCATCGCCAACATGGACTTTGTGTCATG  
 GCTCTCATCTACGTAATGCTGTTGCTGCTGACGGCCTTCTAGGAGCCTGGCCACCTTGTGTGGCCGCT  
 TCAAGCGCTGGCGAAACACGGGGTCTTTGTGTGCTCACCCTGTCATCTCCATCGCCATCTGGGTGGT  
 ATGGATTGTGTCATACACTACGGCAACGAGCAGCACCATAGCCCCACCTGGGATGACCCACGTTGGCC  
 ATTGCCCTCGCTGCCAATGCCTGGACCTTGTCTCTTCTATGTCATCCCTGAGGTCTCACAGGTGACCA  
 AACCTAGCCCAGAACAGAGCTACCAGGGGACATGTACCGACCCGAGGGGTGGGCTATGAGACCATCCT  
 GAAGGAGCAGACGGGCCAGGCATGTTTGTGGAGAACAAGGCATTTTCTATGGACGAACCAGCCTCAGCA  
 AAGAGACCAAGTGTACCTTACAGTGGCTACAATGGACAGCTGCTGACCAGCGTGTACCAGCCACTGAGA  
 TGGCCCTGATGCACAAAGGCCCTGTAAGGTGCATACGACGTCATCCTCCACGGGCCACCGCCAACAG  
 CCAGGTGATGGGCAGTGCCTCAACCCTGCGGGCCGAAGACATGTACATGGTCCAGAGCCACCAGGTG  
 GCCACGCCACAAAGACGGCAAGATCTCTCAGGTCTTTAGAAATCCCTACGTGTGGAC

ACCGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207027 representing BC031439  
 Red=Cloning site Green=Tags(s)

MATHRLLMLCLGLPLFFPGALAQNHAPPGCSPDLDPYYNLCDRSGAWGIVSEAVAGAGIITTFVLTIIL  
 VASLPFVQDTKKRSLLTGTQVFFLLGTLGLFCLVFACVVKPDFSTCASRRFLFGVLF AICFSCLVAHVLSL  
 NFLTRKNHGPRGWVIFTVALLLTLVEVIINTEWLIITLVRGGGQVSPLGNVSADSTMTSPCAIANMDFVM  
 ALIYVMLLLLTAFLGAWPTLCGRFKRWRKHGTVLLTTVISIAIWWVWI VMYTYGNEQHHSPWDDPTLA  
 IALAANA WTFVLFYVIPEVSQVTKPSPEQSYQGDMPYTRGVGYETILKEQTGQSMFVENKAF SMDEPASA  
 KRPVSPYSGYNGQLLTSYQPTMALMHKGPSEGAYDVI LPRATANSQVMGSANSTLRAEDMYMVQSHQV  
 ATPPKDGKISQVFRNPYVWD

TRTRPLE - GFP Tag - V

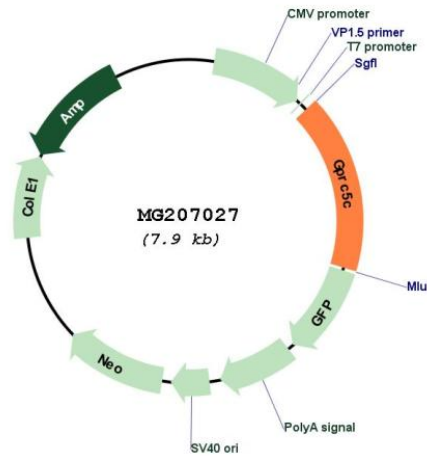
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC031439

<b>ORF Size:</b>	1322 bp
<b>OTI Disclaimer:</b>	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>
<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="#">BC031439</a> , <a href="#">AAH31439</a>
<b>RefSeq Size:</b>	2043 bp
<b>RefSeq ORF:</b>	1322 bp
<b>Locus ID:</b>	70355
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways.[UniProtKB/Swiss-Prot Function]