

## Product datasheet for **MR207027**

### **Gprc5c (NM\_001110338) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gprc5c (NM_001110338) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gprc5c
Synonyms:	1110028I06Rik; 3200002M13Rik; Raig3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207027 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACTCACAGAACCTTGCTGATGTGCCTAGGACTGCCTCTTCTTCCCAGGAGCCTTGCCCCAGA  
 ATCATGCCCCACCTGGTTGCAGCCAGATCTGGATCCCCTCTACTACAACCTCTGTGACCGCTCGGGGGC  
 CTGGGGCATTGCTTGGAGGCAGTGGCTGGAGCAGGCATCATCACGACATTTGTGTTAACCATCATCCTT  
 GTGGCTAGCCTTCCATTTGTGCAGGACACTAAGAAGCGGAGCCTTTGGGGACCCAGGTGTTCTTCTCGC  
 TGGGCACCCTGGGTCTTCTGCCTCGTGTTCCTGTGTGGTGAAGCCGGACTTCTCTACCTGTGCCTC  
 TCGACGCTTCTTGGGGTCTGTTTGCATCTGCTTCTCCTGTCTGGTAGCTCACGTCCTTCCCTC  
 AACTTCTAACCCGGAAGAACCATGGGCCCGAGGCTGGGTGATCTTACCCTGGCGCTGCTGCTCACCC  
 TTGTGGAGGTCATATTAAACCCGAGTGGCTTATCATCACCTGGTACGGGGAGGTGGCCAGGTTAGCCC  
 CCTGGGCAATGTCAGTGCCGACTCGACCATGACCTCTCCGTGTGCCATCGCCAACATGGACTTTGTCATG  
 GCTCTCATCTACGTAATGCTGTTGCTGCTGACGGCCTTCTAGGAGCCTGGCCCACCTTGTGTGGCCGCT  
 TCAAGCGCTGGCGAAACACGGGGTCTTTGTGTTGCTCACCCTGTATCTCCATCGCCATCTGGGTGGT  
 ATGGATTGTCATGTACACCTACGGCAACGAGCAGCACCATAGCCCCACCTGGGATGACCCACGTTGGCC  
 ATTGCCCTCGCTGCCAATGCCTGGACCTTTGTCCTCTTCTATGTCATCCCTGAGGTCTCACAGGTGACCA  
 AACCTAGCCCAGAACAGAGCTACCAGGGGGACATGTACCCGACCCGAGGGGTGGGCTATGAGACCATCCT  
 GAAGGAGCAGACGGGCCAGAGCATGTTTGTGGAGAACAAGGCATTTTCTATGGACGAACCAGCCTCAGCA  
 AAGAGACCAGTGTACCTTACAGTGGCTACAATGGACAGCTGCTGACCAGCGTGTACCAGCCACCAGAGA  
 TGGCCCTGATGCACAAAGGCCCTGTAAGGTGCATACGACGTCATCTCCACGGGCCACCCCAACAG  
 CCAGGTGATGGGCAGTGCCAACCAACCTGCGGGCCGAAGACATGTACATGGTCCAGAGCCACCGGTG  
 GCCACGCCACAAAAGACGGCAAGATCTCTCAGGTCTTTAGAAATCCCTACGTGTGGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207027 protein sequence  
 Red=Cloning site Green=Tags(s)

MATHRLLMCLGLPLFFPGALAQNHAPPGCSPDLDPYYNLCDRSGAWGIVLEAVAGAGIITTFVLTIIIL  
 VASLPFVQDTKKRSLTGTQVFFLLGTLGLFCLVFACVVKPDFSTCASRRFLFGVLF AICFSCLVAHVLSL  
 NFLTRKNHGPRGWVIFTVALLLTLVEVIINTEWLIITLVRGGQVSP LGNVSADSTMTSPCAIANMDFVM  
 ALIYVMLLLLTAF LGAWPTLCGRFKRWRKHGVFVLLTTVISIAIWWVWIMYTYGNEQHHSPTWDDPTLA  
 IALAANAWTFVLFYVIPEVSQVTKPSPEQSYQGDMPYTRGVGYETILKEQTGQSMFVENKAF SMDEPASA  
 KRPVSPYSGYNGQLLTSVYQPTMALMHKGPSEGAYDVILPRATANSQVMGSANSTLRAEDMYMVQSHQV  
 ATPPKDGKISQVFRNPYVWD

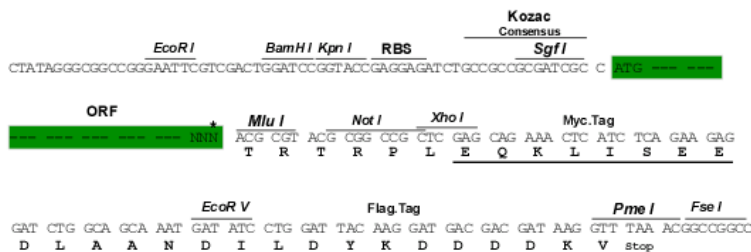
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001110338

**ORF Size:** 1320 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\\_001110338.1](#), [NP\\_001103808.1](#)
**RefSeq Size:** 1827 bp

**RefSeq ORF:** 1323 bp

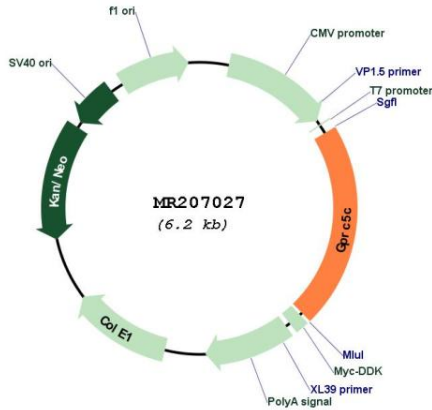
**Locus ID:** 70355

**UniProt ID:** [Q8K3J9](#)
**Cytogenetics:** 11 E2

**MW:** 48.4 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR207027