

Product datasheet for **MC205853**

Gprc5c (NM_147217) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprc5c (NM_147217) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gprc5c
Synonyms:	1110028I06Rik; 3200002M13Rik; Raig3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031439
 ATGGCGGGAGAGCGAGCCACTGAGCGCGCTTAGCTCAGTGCTCAGTCGGGGGTCCCTGGGAGGCAGGCC
 CCGCACCTTTGCTCAGGCCTGGTCACCCCCCGCCTGAACGGGCTCTGGCCCCGCGCCTGCTTTGAGTCC
 CTCCTACGCCCGCGCGCCCTGCCTGGGGCCGAAGTTGGCTCTGAGCGCGCGCCGGAGCGGGCTGGT
 GCGCGTCCCAGGACCCAGCTGAAGCCTGGCCTGGGAGCCAGGATGGCCACTCACAGAACCTTGCTGATG
 TGCTAGGACTGCCTCTCTTCTCCAGGAGCCTTGGCCCAGAATCATGCCCCACCTGGTTGCAGCCCAG
 ATCTGGATCCCCCTACTACAACCTCTGTGACCGCTCGGGGGCCTGGGGCATTGTCTCGGAGGCAGTGGC
 TGGAGCAGGCATCATCAGCATTGTGTTAACCATCATCCTCGTGGCTAGCCTTCCATTTGTGCAGGAC
 ACTAAGAAGCGGAGCCTCTTGGGAGCCAGGTGTTCTTCTGCTGGGCACCCTGGGTCTCTTCTGCCTCG
 TGTTTGCCTGTGTGGTGAAGCCGGACTTCTACCTGTGCCTCTCGACGTTCTCTTTGGGGTCTGT
 TGCCATCTGCTTCTCTGTCTGGTAGCTCACGTCTTCCCTCAACTTCTAACC CGAAGAACCATGGG
 CCCCAGGCTGGGTGATTTACCGTGGCGCTGCTGCTCACCTTGTGGAGGTATCATTAAACCCGAGT
 GGCTTATCATCACCTGGTACGGGGAGGTGGCCAGTTAGCCCCCTGGGCAATGCAGTGCCGACTCGAC
 CATGACCTCTCCGTGTGCCATCGCAACATGGACTTTGTCATGGCTCTCATCTACGTAATGCTGTTGCTG
 CTGACGGCCTTCTAGGAGCCTGGCCACCTTGTGTGGCCGCTTCAAGCGCTGGCGGAAACACGGGTCT
 TTGTGTTGCTCACCCTGTCATCTCCATCGCCATCTGGGTGGTATGGATTGTCATGTACACCTACGGCAA
 CGAGCAGCACCATAGCCCCACCTGGGATGACCCACGTTGGCCATTGCCCTCGCTGCCAATGCCTGGACC
 TTTGTCCTTCTATGTCATCCCTGAGGTCTCACAGGTGACCAAACCTAGCCCAGAACAGAGCTACCAGG
 GGGACATGTACCCGACCCGAGGGGTGGGCTATGAGACCATCTGAAGGAGCAGACGGGCCAGAGCATGTT
 TGTGGAGAACAAGGCATTTTCTATGGACGAACCAGCCTCAGCAAAGAGACCAGTGTACCTTACAGTGGC
 TACAATGGACAGCTGTGACCAGCGTGTACCAGCCACTGAGATGGCCCTGATGCACAAAGGCCCGTCTG
 AAGGTGCATACGACGTCATCTCCACGGGCCACCGCAACAGCCAGGTGATGGGCAGTGCACACTCAAC
 CCTCGGGCCGAAGACATGTACATGGTCCAGAGCCACCAGGTGGCCACGCCACCAAAAGACGGCAAGATC
 TCTCAGGTCTTTAGAAATCCCTACGTGTGGGACTAAGGCAGCAGCTGTGGCCAGGAGGAAGCAGGTTGAT
 TTAGAGAGGGCCCTTGGGACCTGGTTTGGTGAGGGACCACCAGGGAGCCCATGCTCTATGGCTCCCTTC
 CCTTCTACTGGTTCAGGGTAGCTTATGCCTCAGGGTCAGAGCCCTGATCTGCTGATGTTTGGTTGGGT
 GTCCATGAGGGCCCTCCACCCAGTATTTGTGGAGTCCAGGCGCTGCCCTGTTTCATGCCAGGGCCAC
 CTCTGGTATCTAACTCTATCCAAATAGCGTCTGCTTGGGATGGTGGCTGTTCTATGCCTACGCTCTC
 CGGTGACACCTATAAGCCTCCATTGAGCTCAGAGAGGATGCCTTAGGCTGGATCCTGCTCTGTGAGG
 AGTAAGGGTGCCTAATAAATACATTTCTGCTTTATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_147217
- Insert Size:** 1323 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC031439](#), [AAH31439](#)

RefSeq Size: 2043 bp

RefSeq ORF: 1323 bp

Locus ID: 70355

UniProt ID: [Q8K3J9](#)

Cytogenetics: 11 E2

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]
Transcript Variant: This variant (2) differs in the 5' UTR, 3' UTR and 3' coding region, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.