

Product datasheet for **MC204568**

Gprc5b (NM_022420) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprc5b (NM_022420) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gprc5b
Synonyms:	AW125761; Raig2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC020004
 CCGACGCGTGGGGCGGGCTCGGCTGGCGGGCGTGCGCGGAGCGGGGGCCGCGGGCGCGCTGCAGAGATGT
 GACTTGGGCCCAGGGCCAGCAGGAGCGTGGCGCTGCGGGGACGCGAGGGTCAATGTTCTGGTGTAG
 AGAGAAAGATGAGAACCCATCAAGTGTTCCTTGGCCCTGCTCCTGGTATTGCCTCCGTGGCTCAGA
 GAACGCCAGCACGTCCCGGGGCTGTGGACTGGACCTTCTCTCAGTACGTGTCCCTGTGCGACCTGGAC
 GCCATCTGGGGCATCGTGGTGGAGGCAGTGGCCGGGGCGGGGGCCCTGATCACACTGCTTCTGATGCTCA
 TTCTCCTAGTGAGACTACCTTTCATCAAGGACAAGGAAAGGAAGCGGGCCTGTGTGCCCTCCATTTCCTCT
 CCTGCTGGGGACCTGGGCCTCTTTGGCCTGACGTTTGCCTTCATCATCCAGATGGACGAGACAATCTGC
 TCCATCCGACGCTTCTCTGGGGTGTCTCTTCGCGCTCTGCTTTTCTGCCTGTGAGCCAGGCGTGGC
 GGGTGGGAGGCTGGTGCGCCAGGGCACAGCCCGGCCAGCTGGCAGCTGGTGGAGCTGGCACTGTGCCT
 GATGCTGGTGCAGGTCATCATTGCCACTGAGTGGCTGGTGTGACTGTGCTGCGTGACACGAAGCCAGCC
 TGCGCCTACGAGCCCATGGATTTGTGATGGCGCTCATCTACGACATGGTGTGCTGGCCATCACCTGG
 CCCAGTCCCTCTCACGCTGTGTGGCAAGTTCAAACGGTGAAGGTGAACGGAGCCTTCATCCTCGTCAC
 TACCTTCTCTCTGCGCTCATCTGGGTGGTCTGGATGACCATGTACCTCTTCGGCAACTCATTAAATTAAG
 CAGGGAGATGCCGAGGACCCACCTTGGCCATTACACTGGCAGCCAGCGGATGGGTCTTTGTACATCT
 TCCATGCCATTCCGGAGATCCACTACACCTTCTCCACCCCTGCAGGAGAACCCACCAACTACTTCGA
 CACTTACAGCCAGGATGCGGGAGACAGCATTGATGAGGAAATGCACCTGCCTCGGGCCTACATGGAG
 AACAGGCCTTCTCAATGGATGAACATAACGCAGCTCTCCGATCAGCAGTGGGCTTTTCCAATGGAAGCT
 TGGAGCAAAGATCAGCAGCCTGGGAAAGAAGCCAGCAGCTTGGGAAACCGGCCAGTGCACCGTTTCAG
 AAGCAATGTGTATCAGCCGACCGAGATGGCCGTCGTGCTCAATGGAGGGACTATCCCAACTGCTCCGCCA
 TCTCACACGGGAAGACACCATTGGTGAAGACCTTAAGTCCAGAGAATAAGAATATTTCTTACCGATTT
 TATTCCTGGCTGTGCTTTCTTGGGGCGAAATCACTAACCATGGCAGAGACAGGCCACCCGGAAGCCA
 GGAGACTGAGAAGTCCCACCAAGGGGATTTCTGTAAATGTGACATATGGATGAATGGAAAGCTAACA
 TTGACCGCCTCCCTCCCTGCCACACATGCAAACACGGAATCGTCTGCAAACCTAAATCAGAGCTAAC
 TGCCAATAGTCTTAGACTCACTCAGAAGCGTGGTGGGAAACTGAGTCATTTCAGCAGGGGCAGGACAGA
 GAAGAAGTACAGCTGTGTACCAGACTATCTTGGCTTATTATGTGAGGGTTGGAGCCAGCCTGTCAAC
 CCCACCTCCTCACCAAATGCTGGTCCCGAGGCCATCTTTGGAGAGAAGTGTGCCCTTGGAGTTAACT
 CATGGATCATTCTCCCTGGCTTTTGGCTTGGTGGCCATGCAGTTCAGGAGACTTTAAGAGGTTGTG
 GCTATGATTCTCAAGGCCAGCTGGATGGTCAGGGAGCTGTGTAGCCAGTAGGAATGGAGGAACCATAGA
 ACGTGCCAAAGAAGAGAAGTACTCTGGACTTTGAAGTGACCATCACATGTAGACAGAGGTGACCAACCG
 TTGTTCTTCTGTGGCCTCTTGTCTACCAAGCACCCACCTACCCCAACTCCCTACAGAGTGATAG
 AAATATCCCTCCTCCTTCTTTCAGGTGCTCCTCCATGCCTTCCCCAACCTAGCCACCTCACCC
 TCCACCCCTAACCCCAAGTTCATTACCATCTTCATTTGAGAAGCTCAAGTAGGGTTCGCCAGCTTGAAG
 CTTTCAGGGGAGGCAGGCTGAAAGGCAGGCGCCATGGCGCCTTTTCGTAATGATGTCCTATGGCTGGGTT
 CCCAGGGGTGACCTCTAGGATCGAGAGATGGCATCCTGTTGCCAGCTGCCAGTGGCTTCTGGGATATT
 CCCCTTATGTGGGTAGAAGTCCAGGATACAATGAGCTCCATGAAGGTTTCTGGCTGCTTTTGGAGGGTA
 TGGAGAACGCTCTGATTCTGGTTTTCCGATGGCTCTATGGATGTGGCCCCCTTCACAACTGTCATTTGTC
 ATGGCTTCCATCTGTCTGAGCAAGTCACTCTTTGTTGCTAGGCATCTCCAGCATCCCTGCCATTAATA
 GCCCTGCTTCTGCACTGTTTGGCCAGCATAATCTCTAGCAACCTTTCCATGCTGAGTTTGAACCTGA
 CCATATGGACTGTATAACAAGGTTGACGCTCTGCATACACTCGAATCGCTACATTGCTTTTTCTATA
 AAAACTACCCATAAGCCTTTAACCTTTAATGCAAATTTTTAAAAGGTTAGTGTGGGGGGGGGGTGGGG
 ACTGACCTCGTCTTAAGCCAGTACATCTGAGCTGAGTGTTTAATAAATCTGATATTTCTCAAGAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_022420
Insert Size: 1233 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:	<ol style="list-style-type: none">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:	BC020004 , AAH20004
RefSeq Size:	2899 bp
RefSeq ORF:	1233 bp
Locus ID:	64297
UniProt ID:	Q923Z0
Cytogenetics:	7 F2
Gene Summary:	<p>Unknown. This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>