

## Product datasheet for SC304618

### GPRC5C (NM\_018653) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC5C (NM_018653) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRC5C
Synonyms:	RAIG-3; RAIG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304618 representing NM_018653. Blue=Insert sequence Red=Cloning site Green=Tag(s)

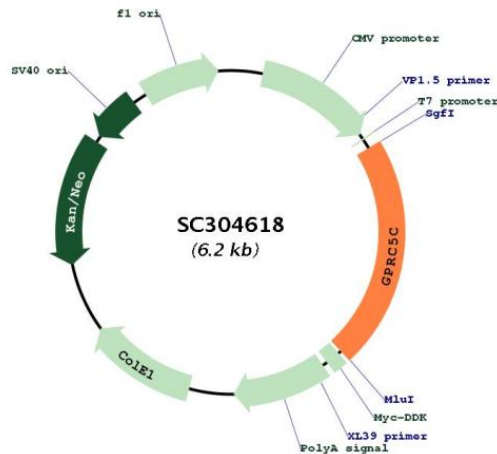
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGACCCAACCAGAGCCTGGCCTGGGAGCCAGGATGGCCATCCACAAAGCCTTGGTGTGTGCTG
GGACTGCCTCTTCTTCTGTTCCAGGGGCTGGGCCAGGGCCATGTCCACCCGGCTGCAGCCAAGGC
CTCAACCCCTGTACTACAACCTGTGTGACCGCTCTGGGGCGTGGGGCATCGTCTGGAGGCCGTGGCT
GGGGGGGCATTGTACCCAGTTTGTGCTCACCATCATCTGGTGGCCAGCCTCCCTTTGTGCAGGAC
ACCAAGAAACGGAGCCTGCTGGGACCCAGGTATTCTTCTTCTGGGACCTGGGCCTCTTCTGCCTC
GTGTTTGCCTGTGTGGTGAAGCCGACTTCTCCACCTGTGCCTCTCGGCGCTTCTCTTTGGGGTTCTG
TTGCCATCTGCTTCTTGTCTGGCGGCTCACGTCTTGGCCCTCAACTTCTGGCCCGGAAGAACCAC
GGGCCCGGGGCTGGGTGATCTTCACTGTGGCTCTGCTGCTGACCTGGTAGAGGTCATCATCAATACA
GAGTGGCTGATCATCACCTGGTTCCGGGCGAGTGGCGAGGGCGGCCCTCAGGGCAACAGCAGCGCAGGC
TGGGCCGTGGCCTCCCTCTGTCCATCGCCAACATGGACTTTGTGATGGCACTCATCTACGTGATGCTG
CTGCTGCTGGGTGCCTTCTGGGGGCTGGCCCGCTGTGTGGCCGCTACAAGCGCTGGCGTAAGCAT
GGGTCTTTGTGCTCCTCACCACAGCCACCTCCGTTGCCATATGGGTGGTGTGGATCGTCATGTACT
TACGGCAACAAGCAGCACAACAGTCCCACCTGGGATGACCCACGCTGGCCATCGCCCTCGCCGCAAT
GCCTGGGCCTTCGTCCTTCTACGTGATCCCGAGGTCTCCAGGTGACCAAGTCCAGCCAGCCAGAGCAA
AGCTACCAGGGGACATGTACCCACCCGGGGCGTGGGCTATGAGACCATCCTGAAAGAGCAGAAGGGT
CAGAGCATGTTTCGTGGAGAACAAGGCCCTTTTCCATGGATGAGCCGGTTGCAGCTAAGAGGCCGGTGTCA
CCATACAGCGGTACAATGGGCAGCTGCTGACCAAGTGTGTACCAGCCACTGAGATGGCCCTGATGCAC
AAAGTTCCGTCCGAAGGAGCTTACGACATCATCTCCACGGGCCACCGCAACAGCCAGGTGATGGGC
AGTGCCAACTCGACCCTGCGGGCTGAAGACATGTACTCGGCCAGAGCCACCAGGCGGCCACACCGCC
AAAGACGGCAAGAACTCTCAGGTCTTTAGAAACCCTACGTGTGGGACTGA
ACGGGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```



View online »

Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM\_018653

Insert Size: 1362 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_018653.3](#)

RefSeq Size: 1836 bp

RefSeq ORF: 1362 bp

Locus ID: 55890

UniProt ID: [Q9NQ84](#)

**Cytogenetics:** 17q25.1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**MW:** 49.4 kDa

**Gene Summary:** The protein encoded by this gene is a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The specific function of this protein is unknown; however, this protein may mediate the cellular effects of retinoic acid on the G protein signal transduction cascade. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 4 encode isoform a. 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. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.