

Product datasheet for **SC306340**

GPRC6A (NM_148963) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC6A (NM_148963) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRC6A
Synonyms:	bA86F4.3; GPCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF sequence for NM_148963 edited
 ATGGCATTCTTAATTATACTAATTACCTGCTTTGTGATTATTCTTGCTACTTCACAGCCT
 TGCCAGACCCCTGATGACTTTGTGGCTGCCACTTCTCCGGGACATATCATAAATTGGAGGT
 TTGTTTGCATTTCATGAAAAATGTTGTCTCAGAAGACTCTCCAGACGACCACAAATC
 CAGGAGTGTGTTGGCTTTGAAATATCAGTTTTTCTTCAAACCTCTGCCATGATACACAGC
 ATTGAGATGATCAACAATTCAACACTCTTATCTGGAGTCAAACCTGGGGTATGAAATCTAT
 GACACTGTACAGAAGTACAGTGGCAATGGCAGCCACTCTGAGGTTTCTTTCTAAATTC
 AACTGCTCCAGAGAAACTGTGGAGTTTAAAGTGTGACTATTCCAGCTACATGCCAAGAGTT
 AAGGCTGCATAGGTTCTGGGACTCAGAAATAACTATGGCTGTCTCCAGGATGTTGAAT
 TTACAGCTCATGCCACAGGTGGGTTATGAATCAACTGCAGAAATCCTGAGTGACAAAATT
 CGCTTTCCTTCATTTTTACGGACTGTGCCAGTACTTCCATCAAATTAAGCAATGGCT
 CACCTGATTGAGAACTGGTTGGAAGTGGATTGGCATCATAACCACAGATGATGACTAT
 GGACGATTGGCTTTAACACTTTTATAATTCAGGCTGAAGCAAATAACGTGTGCATAGCC
 TTCAAAGAGGTTCTCCAGCCTTTCTTTCAGATAATACCATTGAAGTCAGAAATCAATCGG
 AACTGAAGAAAATCATTTTAGAAGCCAGGTTAATGTCATTGTGGTATTTCTGAGGCAA
 TTCCATGTTTTGATCTCTTCAATAAAGCCATTGAAATGAATATAAATAAGATGTGGATT
 GCTAGTGATAATTGGTCAACTGCCACCAAGATTACCACCATTCTAATGTTAAAAAGATT
 GGCAAAGTTGTAGGGTTTGCCTTTAGAAGAGGGAATATATCCTCTTCCATTCTTTCTT
 CAAAATCTGCACTTGCTTCCAGTGACAGTCACAAACTCTTACATGAATATGCCATGCAT
 TTATCTGCCTGCGCATATGTCAAGGACTGATTTGAGTCAATGCATATTCATCATTCT
 CAAAGGACTTTGGCCTACAAGGCTACAAGGCTATAGAAAGGAACTTCGTATGAGAAAT
 GACTTCTCTGGGACTATGCTGAGCCAGGACTCATTATAGTATTCAGCTTGCAGTGT
 GCCCTTGGTTATGCCATTCGGGATCTGTGTCAAGCTCGTACTGTCAGAACCCCAAGCC
 TTTCAACCATGGGAGTTACTTGGTGTGCTAAAAAATGTGACATTACTGATGGATGGAAT
 TCATTTCATTTTGATGCTCATGGGATTTAAACTGGATATGATGTTGTGCTCTGGAAG
 GAGATCAATGGACACATGACTGTCACTAAGATGGCAGAATATGACCTACAGAATGATGTC
 TTCATCATCCCAGATCAGGAAACAAAAATGAGTTCAGGAATCTTAAGCAAATTCATCT
 AAATGCTCCAAGGAATGCAGTCTGGGCAAATGAAGAAAATACAAGAAGTCAACACATC
 TGTTGCTATGAATGTCAGAACTGCTGAAAATCATTACACTAATCAGACAGATATGCCT
 CATTGCCTTTTATGCAACAACAAAATCACTGGGCCCTGTTAGGAGCACTATGTGCTTT
 GAAAAGGAAGTGAATATCTCAACTGGAATGACTCCTTGGCCATCTACTCCTGATTCTC
 TCCTACTGGGAATCATATTTGTTCTGGTTGTTGGCATAATATTTACAAGAAACCTGAAC
 ACACCTGTTGTGAAATCATCCGGGGGATTAAGAGTCTGCTATGTGATCCTTCTCTGTCAT
 TTCCTCAATTTTCCAGCAGCAGCTTTTTTATTGGAGAACCACAAGACTTCACATGTAAA
 ACCAGGCAGACAAATGTTTGGAGTGAAGCTTTACTCTTTCATCTCCTGCATTTTGGCAGG
 TCTCTGAAAATTTTGTAGCTTTTCACTTTGATCCCAAATACAGAAATTTCTGAAGTGC
 CTCTATAGACCGATCCTTATTATCTTCACTTGCACGGGCATCCAGGTTGTCAATTTGCACA
 ATCTGGTAATCTTTGCAGCACCTACTGTAGAGGTGAATGTCTCCTTGGCCAGAGTCATC
 ATCCTGGAGTGTGAGGAGGGATCCATACTTGCATTTGGCACCATGCTGGGCTACATTTGCC
 ATCCTGGCCTTCAATTTGCTTCATATTTGCTTTCAAAGGCAAATGAGAATTACAATGAA
 GCCAAATTCATTACATTTGGCATGCTCATTACTTTCATAGCTTGGATCACATTCATCCCT
 ATCTATGCTACCACATTTGGCAAATATGTACCGCTGTGGAGATTATTGTCATATTAATA
 TCTAACTATGGAATCCTGTATTGCACATTCATCCCAAATGCTATGTTATTATTTGTAAG
 CAAGAGATTAACACAAAGTCTGCCTTTCTCAAGATGATCTACAGTATTCTTCCCATAGT
 GTGAGCAGCATTGCCCTGAGTCTGCTTCACTGGACTCCATGAGCGGCAATGTCACAATG
 ACCAATCCAGCTCTAGTGGCAAGTCTGCAACCTGGCAGAAAAGCAAAGATCTTCAGGCA
 CAAGCATTGACACATATGCAGGGAAAATGCCACAAGTGTATCTAAAACCTTGCCTCGA
 AAAAGAATGTCAAGTATATGA

Restriction Sites:

Please inquire

ACCN:

NM_148963

Insert Size:	2800 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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_148963.1.
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:	<u>NM_148963.1, NP_683766.1</u>
RefSeq Size:	2860 bp
RefSeq ORF:	2781 bp
Locus ID:	222545
UniProt ID:	<u>Q5T6X5</u>
Cytogenetics:	6q22.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>Members of family C of the G protein-coupled receptor (GPCR) superfamily, such as GPCRC6A, are characterized by an evolutionarily conserved amino acid-sensing motif linked to an intramembraneous 7-transmembrane loop region. Several members of GPCR family C, including GPCRC6A, also have a long N-terminal domain (summary by Pi et al., 2005 [PubMed 16199532]).[supplied by OMIM, Nov 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>