

Product datasheet for **SC337585**

GPRC6A (NM_001286355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC6A (NM_001286355) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRC6A
Synonyms:	bA86F4.3; GPCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286355, the custom clone sequence may differ by one or more nucleotides

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ATGGCATTCTTAATTATACTAATTACCTGCTTTGTGATTATTCTTGCTACTTCACAGCCTTGCCAGACCC
CTGATGACTTTGTGGCTGCCACTTCTCCGGGACATATCATAATTGGAGGTTTGTGGCTATTTCATGAAAA
AATGTTGTCTCAGAAGACTCTCCAGAGCACCACAAATCCAGGAGTGTGGCTTTGAAATATCAGTT
TTTCTTCAAACCTTTGCCATGATACACAGCATTGAGATGATCAACAATCAACACTCTTACCTGGAGTCA
AACTGGGGTATGAAATCTATGACACTTGTACAGAAGTCACAGTGGCAATGGCAGCCACTCTGAGGTTTCT
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AAGGCTGTCATAGGTTCTGGGACTCAGAAATAACTATGGCTGTCTCCAGGATGTTGAATTTACAGCTCA
TGCCACAGGTGGGTTATGAATCAACTGCAGAAATCCTGAGTGACAAAATTCGCTTTCCTTCATTTTTACG
GACTGTGCCAGTGACTCCATCAAATTAAGCAATGGCTCACCTGATTCAGAAATCTGGTTGGAAGTGG
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CAAATAACGTGTGCATAGCCTTCAAAGAGGTTCTCCAGCCTTTCTTTCAGATAATACCATTGAAGTCAG
AATCAATCGGACACTGAAGAAAATCATTTTAGAAGCCAGGTTAATGTCATTGTGGTATTCTGAGGCAA
TTCCATGTTTTGATCTCTTCAATAAAGCCATTGAAATGAATATAAATAAGATGTGGATTGCTAGTGATA
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CATGAGAAATGACTTCTCTGGGACTATGCTGAGCCAGGACTCATTATAGTATTCAGCTGCAGTGTGTT
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GGGAGCAAATTCATCTAAATGCTCCAAGGAATGCAGTCCCTGGGCAAATGAAGAAAATAACAAGAAGTCA
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TGCTTTTATGCAACAACAAAATCACTGGGCCCTGTTAGGAGCACTATGTGCTTTGAAAAGGAAGTGG
AATATCTCAACTGGAATGACTCCTTGGCCATCCTACTCCTGATTCTCCTACTGGGAATCATATTTGT
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GTCTGCTATGTGATCCTTCTCTGTCATTTCTCAATTTTCCAGCAGCAGCTTTTTCATTGGAGAACCAC
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GACGAAGTCTCTGAAAATTTGCTAGCCTTCAGCTTTGATCCCAAATACAGAAATTTCTGAAGTGCCCT
TATAGACCATCCTTATTATCTTCACTTGACAGGCATCCAGGTTGTCATTTGCACACTCTGGCTAATCT
TTGAGCAGCCTACTGTAGAGGTGAATGTCTCCTTGCCAGAGTCATCATCCTGGAGTGTGAGGAGGGATC
CATACTTGCAATTTGGCACCATGCTGGGCTACATTTGCCATCCTGGCCTTCATTTGCTTCATATTTGCTTC
AAAGGCAAATATGAGAATTACAATGAAGCCAAATTCATTACATTTGGCATGCTCATTACTTCATAGCTT
GGATCACATTCATCCCTATCTATGCTACCACATTTGGCAAATATGTACCAGCTGTGGAGATTATTGTCAT
ATTAATATCTAACTATGGAATCCTGTATTGCACATTCATCCCAAATGCTATGTTATTATTTGTAAGCAA
GAGATTAACACAAAGTCTGCCTTTCTCAAGATGATCTACAGTTATTCTTCCATAGTGTGAGCAGCATTG
CCCTGAGTCTGCTTCACTGGACTCCATGAGCGCAATGTCACAATGACCAATCCAGCTCTAGTGGCAA
GTCTGCAACCTGGCAGAAAAGCAAAGATCTTCAAGCACAAGCATTTCAGCACAATATGCAGGAAAATGCC
ACAAGTGTATCTAAAACCTTGCCTCGAAAAGAATGTCAAGTATATGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001286355

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:	<u>NM_001286355.1</u> , <u>NP_001273284.1</u>
RefSeq Size:	2669 bp
RefSeq ORF:	2568 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 intramembranous 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 (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.</p>