

Product datasheet for **SC114355**

GPRC5B (NM_016235) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC5B (NM_016235) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRC5B
Synonyms:	RAIG-2; RAIG2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114355 sequence for NM_016235 edited (data generated by NextGen Sequencing)

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ATGTTTCGTGGCATCAGAGAGAAAGATGAGAGCTACCAGGTGCTCACCTTCTCCTGCTC
TTCGTGATCACCTCGGTGGCCTCTGAAAACGCCAGCACATCCCGAGGCTGTGGGCTGGAC
CTCCTCCCTCAGTACGTGTCCTGTGCGACCTGGACGCCATCTGGGGCATTGTGGTGGAG
GCGGTGGCCGGGGCGGGCGCCCTGATCACACTGCTCCTGATGCTCATCCTCCTGGTGGCG
CTGCCCTTCAAGGAGAAGGAGAAGAAGAGCCCTGTGGGCCTCCACTTCTGTTCTCCTC
CTGGGGACCTGGGCCTTTGGGCTGACGTTTGCCTTCATCATCCAGGAGGACGAGACC
ATCTGCTCTGTCCGCCGTTCTCTGGGGCGTCTCTTTGCGCTCTGCTTCTCCTGCCTG
CTGAGCCAGGCATGGCGGTGCGGAGGCTGGTGCGGCATGGCACGGGCCCCGCGGGCTGG
CAGCTGGTGGGCCTGGCGCTGTGCCTGATGCTGGTGCAAGTCATCATCGCTGTGGAGTGG
CTGGTGCTCACCGTGCTGCGTGACACAAGGCCAGCCTGCGCCTACGAGCCATGGACTTT
GTGATGGCCCTCATCTACGACATGGTACTGCTTGTGGTACCCTGGGGCTGGCCCTTTC
ACTCTGTGCGGCAAGTTCAAGAGGTGGAAGCTGAACGGGGCCTTCTCCTCATCACAGCC
TTCCTCTCTGTGCTCATCTGGGTGGCCTGGATGACCATGTACCTTTCGGCAATGTCAAG
CTGCAGCAGGGGATGCCTGGAACGACCCACCTTGCCATCACGCTGGCGGCCAGCGGC
TGGGTCTTCGTATCTTCCACGCCATCCCTGAGATCCACTGCACCCTTCTGCCAGCCCTG
GAGGAGGACGTGCAGTCCCGCGGGCCTATATGGAGAACAAGGCCTTCTCCATGGATGAA
CACAATGCAGCTCTCCGAACAGCAGGATTTCCCAACGGCAGCTTGGGAAAAAGACCCAGT
GGCAGCTTGGGGAAAAAGACCCAGCGCTCCGTTTGAAGCAACGTGTATCAGCCAAGTGA
ATGGCCGTGCTCAACGGTGGGACCATCCCAACTGCTCCGCCAAGTCACACAGGAAGA
CACCTTTGGTGA
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Clone variation with respect to NM_016235.1



[View online >](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016235 unedited
 NGTCAGGATTTGTATCCGACTCACTATAGGCGGCCGCGCATTTCGGCACCAGGCGCCGCGAG
 AGATGTGACTCGGGCCAAAGCCAGCTGGAGCGTCGGCGCTGCGGGGCCGCGGGGGTGCAG
 TGTTTCGTGGCATCAGAGAGAAAGATGAGAGCTCACCAGGTGCTCACCTTCCTCCTGCTCT
 TCGTGATCACCTCGGTGGCCTCTGAAAACGCCAGCACATCCCAGGCTGTGGGCTGGACC
 TCCTCCCTCAGTACGTGTCCCTGTGCGACCTGGACGCCATCTGGGCGATTGTGGTGGAGG
 CGGTGGCCGGGGCGGGCGCCCTGATCACACTGCTCCTGATGCTCATCCTCCTGGTGGCGGC
 TGCCCTTCATCAAGGAGAAGGAGAAGAAGAGCCCTGTGGGCTCCACTTCTGTTCTCCTCC
 TGGGGACCTGGGCTCTTTGGGCTGACGTTTGCCTTCATCATCCAGGAGACGAGACCA
 TCTGCTGTGCCCGCTTCTCTGGGGCGTCCTTTTGCCTCTGCTTCTCCTGCCTGC
 TGAGCCAGGCATGGCGCGTGGGAGGCTGGTGGCGCATGGCACGGGCCCCGCGGGCTGGC
 AGCTGGTGGGCTGGCGCTGTGCCTGATGCTGGTGAAGTATCATCGTGTGGAGTGGC
 TGGTGCTCACCGTCTGGGTGACACAAGGCCAGCCTGCGCCTACGAGCCCATGGACTTTG
 TGATGGCCCTATCTACGACATGGTACTGCTTGTGGTACCCTGGGGCTGACCCTCTTCA
 CTCTGGGCGGCAAGTTCAAGAGGTGGAAGCTGAACGGGGCCTTCTTCTCATAAACACCT
 TTCTTCTGGGCTCATCTGGGTGGCCTGGTAGACCCTGTACCTCTTTGGCATTGTCAACC
 TTGACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016235 unedited
 CGGCCGAATCTAAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGAAA
 TATCAAAAGGTTATTGAAACATACTCAGCTCAAACGTAAGTGGCTATGAAGCGGTCAGTC
 CTCCCCCGGCCCAAACTAACCTTTTTTATTTTTCTTTAAAGGTAAGGCTTATGG
 GTAGTTTTATAGAAAAAGCAATGTAGTATTAAGTATCTGGAGAAGGACCCACCCTTAT
 TTAACATTTTCATGCCGTCAGGTTAAAATTTTGGTCTCGAAATTCTGCCCGCAGCTTGTCT
 GGTCCCCCTCCCAAAACATCGGTCTTTACTTGCCTCACACGCCCCCCCCCTTTATTAT
 CCCACGACTTCTTGCTTCCCCTTTTCAAACCTGGTGTCCCTTCGCTTTTCCCATGG
 GCGCTATTCGCACACCTCGCCACCACCCATCTACGTCCTCCCTCTTCTTCCCCCTT
 CCTCTCCCTCACTCCCCCAACCTCTCATAATGACCACAACCTTTCACCCGCTTCTCCATT
 CTCCCTTTTCTTATCACTTCGTCAGACTGCCTTCTTTTTTTTTTATCCCCCTTAT
 ACGTCACTACCTTCTATCAACCATCTCCCTTTTCTTTTCTTTATACTATTATGNCTCT
 TTTCTGTACCATCAATCTCCACCTCTCGTCCCTCACTCCCTTTTCTCACTTTTCTCGT
 CCTCACCTTTTCAAGTTATCATATTTTTCATTTCCCAATTTCCCTGATCCTACCCTGCCATT
 CCTTTTCTCTTTTCCATCCCGTCCCGCCTTCTTTTTTCTCTCCCCCCCCCTTTCCAT
 TTTTCCCCCTTCTCCTCCATCCCCTTTTACCTTCGCTTAATTTCTCTCCCCCTCTGCCT
 CGATTAGTATCACCTACCCTTCTCTCCCCACATTTAGTACCTCTCCACTCCCTTTTCA
 TCCTCCCGCATTCTTCCCGCTCGATTACATCTTTCTCTCCCCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_016235

Insert Size:

2770 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: [NM_016235.1](#), [NP_057319.1](#)

RefSeq Size: 2870 bp

RefSeq ORF: 1212 bp

Locus ID: 51704

UniProt ID: [Q9NZH0](#)

Cytogenetics: 16p12.3

Domains: 7tm_3

Protein Families: Druggable Genome

Gene Summary: This gene encodes 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 encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).