

Product datasheet for **SC327462**

GPR17 (NM_001161416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR17 (NM_001161416) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001161416 edited
 GCGGAGATCACCTGCTGCCCCGACAGACCCTGTCCCTTCTCCCGGACCAGCAGCTAGAG
 GCTCTGACTCCAGCCAAAGCATGAATGGCCTTGAAGTGGCTCCCCAGGTCTGATCACCA
 ACTTCTCCCTGGCCACGGCAGAGCAATGTGGCCAGGAGACGCCACTGGAGAACATGCTGT
 TCGCCTCCTTCTACCTTCTAGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGCTCTGT
 GGTTTTTTCATCCGAGACCACAAGTCCGGGACCCCGCCAACGTGTTCTGATGCATCTGG
 CCGTGGCCGACTTGTCTGTCGTGGTCTGGTCTGCCACCCGCTGGTCTACCACTTCTCTG
 GGAACCACTGGCCATTTGGGAAAATCGCATGCCGTCTCACCGGCTTCTCTTCTACCTCA
 ACATGTACGCCAGCATCTACTTCTCACCTGCATCAGCGCCGACCGTTTTCTGGCCATTG
 TGCACCCGGTCAAGTCCCTCAAGCTCCGCAGGCCCTCTACGCACACCTGGCCTGTGCCT
 TCCTGTGGGTGGTGGTGGCTGTGGCCATGGCCCCGCTGCTGGTGGAGCCACAGACCGTGC
 AGACCAACCACACGGTGGTCTGCCTGCAGCTGTACCGGAGAAGGCCTCCACCATGCCC
 TGGTGTCCCTGGCAGTGGCCTTACCTTCCCGTTCATACCACGGTCCACTGCTACCTGC
 TGATCATCCGCAGCCTGCGGCAGGGCCTGCGTGTGGAGAAGCGCCTCAAGACCAAGCGAG
 TGGCGATGATCGCCATAGTGTGGCCATCTTCTGGTCTGCTTCTGTCGCCCTACCAGTCA
 ACCGCTCCGTCTACGTGCTGCACTACCGCAGCCATGGGGCTCCTGCGCCACCCAGCGCA
 TCCTGGCCCTGGCAAACCGCATCACCTCCTGCCTCACCAGCCTCAACGGGGCACTCGACC
 CCATCATGTAATTTCTTCTGGTGTGAGAAGTTCCGCCACGCCCTGTGCAACTTGCTCTGTG
 GCAAAAAGGCTCAAGGGCCCGCCCCCAGCTTCGAAGGGAAAACCAACGAGAGCTCGCTGA
 GTGCCAAGTCAGAGCTGTGAGCGGGGGGCGCCGTCCAGGCCGAGCGCAGACTGTTTAGGA
 CTCAGCAGACCCAGCAAGAGGCATCTGCCCTTCCCGAGCCACCTCCCGAGCAAGCAACC
 TGAAATCTCAGCAGATGCCACCATTTCTAGATCGCTAGTCTCAACCCATAAAAAGG
 AAGAATGACAAAAGGGGATCCATCGGCCACCCCTCTGCAGGGGCTTGATGGCTACAAT
 GGCTCCTAGACACTCAACGACTTCTCTGTGGCAGGGAGAGAGGAGGCGGAAAGAACAAC
 CCCTGAACAATGGAGGCCTTTCTTCCCGCTAGGCTCCAGCCTCCTTCCCGCTACAGAA
 TCGCTCATCGCGAGGCTCAGCAGAAAAGACCCTGAAGGCAGGCTGCAAATGACCCAGAAG
 AGGGACCTGGGAGTCTGGTGGGACCGGGAGGGAGTCTCAATACTCCTTTCAGTGCAGAA
 GGTACTCTGAGTCCCCTCTGTAGTGCCTCTGCCAGACACACTGCCTGAGTTGAAGAGA
 CACAGGCCACACATTTAGTCTGGTTGCCAGCGGACGTCAGCACTCACGGCCTGCGGGGA
 CTCAGCACAGCTCTGGATTCTGG: :ATCTCTCCTGCTGT: AAC: CCCACGCAC: AAGCCT
 GC: AACCCCAGAGCTCTTTGACAGGC: TCCAGGCCT: CCCAGTCTGGACAAGCATGT
 GCAGTACCGGGAGCTCAGCTCAGGCCAGGGCTGGGCTGTGCACCTGCCTCCCA: C: TGAC
 CCAGACCCACTTCTCCAGAGAGCCTCTCCTCCGCTGAGCTATTTCCCTTGCTAGTGTG
 CAGATATTTCCCTAACATGTCCTTTTTTGTATTTGTTGTAC: GGACCATAAATAT: AAC
 TGTAGCTTTAAGACTAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001161416
- Insert Size:** 2000 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:	<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_001161416.1, NP_001154888.1</u>
RefSeq Size:	2544 bp
RefSeq ORF:	1020 bp
Locus ID:	2840
UniProt ID:	<u>Q13304</u>
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>Dual specificity receptor for uracil nucleotides and cysteinyl leukotrienes (CysLTs). Signals through G(i) and inhibition of adenylyl cyclase. May mediate brain damage by nucleotides and CysLTs following ischemia.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Both variants 3 and 4 encode the same isoform (b).</p>