

Product datasheet for **SC116813**

GPR43 (FFAR2) (NM_005306) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR43 (FFAR2) (NM_005306) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR43
Synonyms:	FFA2R; GPR43
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005306, RT-PCR generated
 GGATGCTGCCGGACTGGAAGAGCTCCTTGATCCTCATGGCTTACATCATCATCTTCTCA
 CTGGCCTCCCTGCCAACCTCCTGGCCCTGCGGGCCTTTGTGGGGGGATCCGCCAGCCCC
 AGCCTGCACCTGTGCACATCCTCCTGCTGAGCCTGACGCTGGCCGACCTCCTCCTGCTGC
 TGCTGCTGCCCTTCAAGATCATCGAGGCTGCGTGAACCTCCGCTGGTACCTGCCAAGG
 TCGTCTGCGCCCTCACGAGTTTTGGCTTACAGCAGCATCTACTGCAGCACGTGGCTCC
 TGGCGGGCATCAGCATCGAGCGCTACCTGGGAGTGGCTTTCCCGTGCAGTACAAGCTCT
 CCCGCCGGCCTGTATGGAGTGATTGCAGCTCTGGTGGCCTGGGTTATGTCCTTTGGTC
 ACTGCACCATCGTGATCATCGTTCAATACTTGAACACGACTGAGCAGGTCAGAAGTGGA
 ATGAAATTACCTGCTACGAGAACTTACCAGATAACCAGTTGGACGTGGTGTGCTGCCGTG
 GGCTGGAGCTGTGCTGCTCTTCTCATCCCATGGCAGTCACCATCTTCTGCTACT
 GCGTTTTGTGTGGATCATGCTCTCCAGCCCCTTGTGGGGGCCAGAGCGGCGCCGAG
 CCGTGGGGCTGGCTGTGGTGACGCTGCTCAATTTCTGGTGTGCTTCGGACCTTACAACG
 TGTCCCACCTGGTGGGTATCACCAGAGAAAAAGCCCCTGGTGGCGGTCAATAGCCGTGG
 TGTTTCAGTTCACTCAACGCCAGTCTGGACCCCCTGCTCTTCTATTTCTTCTTTCAGTGG
 TGCGCAGGGCATTGGGAGAGGGCTGCAGGTGCTGCGGAATCAGGGCTCCTCCCTGTTGG
 GACGCAGAGGCAAAGACACAGCAGAGGGGACAAATGAGGACAGGGGTGTGGGTCAAGGAG
 AAGGGATGCCAAGTTCGGACTTCACTACAGAGTAGCA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005306 unedited CTCACCCTTGTGGTTATCCGAACCTCCGGNAGGNGGCACACCCATGTGATGGAATCTGCA GAATTCGGCTTAGGATGCTGCCGGAACCTGGAGAGCTCCTTGATCCTCATGGCTTACATCA TCATCTTCTCACTGGCCTCCCTGCCAACCTCCTGGCCCTGCGGGCCTTTGTGGGGCGGA TCCGCCAGCCCCAGCCTGCACCTGTGCACATCCTCCTGCTGAGCCTGACGCTGGCCGACC TCCTCCTGCTGCTGCTGCCCTTCAAGATCATCGAGGCTGCGTCAACTTCCGCTGGT ACCTGCCAAGGTCGTCTGCGCCCTCACGAGTTTTGGCTTCTACAGCAGCATCTACTGCA GCACGTGGCTCCTGGCGGCATCAGCATCGAGCGCTACCTGGGAGTGGCTTCCCCGTGC AGTACAAGCTCTCCCGCCGGCCTCTGTATGGAGTGATTGCAGCTCTGGTGGCCTGGGTTA TGTCTTTGGTCACTGCACCATCGTGATCATCGTTCAATACTTGAACACGACTGAGCAGG TCAGAAGTGGCAATGAAATTACCTGCTACGAGAACTTACCGATAAACCAGTTGGACGTGG TGCTGCCCGTGGGCTGGAGCTGTGCCTGGTGTCTTCTTTCATCCCCATGGCAGTCACCA TCTTCTGCTACTGGCGTTTTGTGTGGATCATGCTCTCCAGCCCTTGTGGGGGCCAGA AGCGGCGCCGAGCCGTGGGGCTGGCTGTGGTGACGCTGCTCAATTCCTGGTGTGCTCGG ACCTAACAACTGTCCACCTGGTGGGTATCAACACAAAAAAGCCCTGTTGGCGGTCA ATAGCCGGGTGTTCAAGTTACTTCAAGCCGTCTGGGACCCCTGCTTCTCTATTATT
Restriction Sites:	Please inquire
ACCN:	NM_005306
Insert Size:	993 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	NM_005306.1 , NP_005297.1
RefSeq Size:	993 bp
RefSeq ORF:	993 bp

Locus ID:	2867
UniProt ID:	O15552
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for short chain free fatty acids and may be involved in the inflammatory response and in regulating lipid plasma levels. [provided by RefSeq, Apr 2009]