

## Product datasheet for **SC323958**

### GPBAR1 (NM\_001077191) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPBAR1 (NM\_001077191) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GPBAR1  
**Synonyms:** BG37; GPCR19; GPR131; M-BAR; TGR5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001077191.1  
GCAGAGCCTGGGTAGGAGAGCCTGGCCCCGCTGTCCCCACTGGGTGGAGACACCATGCAC  
TTGGTCCTTGTGCTCTTCAGCCAGGACACCAGACATGGTCCAAACCGCTGCAGGGCTGGC  
TGCAAGCACTCCCTGACACTCAGGAAGGCCAGGCTGGGCAGGCAATACCTGCTCCCAAC  
AGCCATGCATGCCGGCTGCCGCTCCAGGACTCCCCTGTCCCCAGGACCAAGATGACGCC  
AACAGCACTGGCGAGGTGCCAGCCCCATTCCCAAGGGGGCTTTGGGGCTCTCCCTGGCC  
CTGGCAAGCCTCATCATCACCAGAACCTGCTCCTAGCCCTGGGCATCGCCTGGGACCGC  
CGCCTGCGCAGCCACCTGCTGGCTGCTTCTCCTGAGCCTACTGCTGGCTGGGCTGCTC  
ACGGGTCTGGCATTGCCACATTGCCAGGGCTGTGGAACCAGAGTCGCCGGGGTTACTGG  
TCCTGCCTCCTCGTCTACTTGGCTCCCACTTCTCCTTCTCCTGCTTGCCAACTC  
TTGCTGGTGCACGGGGAGCGCTACATGGCAGTCCTGAGGCCACTCCAGCCCCCTGGGAGC  
ATTCGGCTGGCCCTGCTCCTCACCTGGGCTGGTCCCCTGCTCTTTGCCAGTCTGCCCGCT  
CTGGGGTGGAAACCACTGGACCCCTGGTGCCAACCTGCAGCTCCCAGGCTATCTTCCAGCC  
CCCTACCTGTACCTCGAAGTCTATGGGCTCCTGTGCTGCCCGCCGTGGGTGCTGCTGCCCTC  
CTCTGTGCCGCTGCTGGCCACTGCCACCGCCAGCTGCAGGACATCTGCCGGCTGGAG  
CGGGCAGTGTGCCGCGATGAGCCCTCCGCCCTGGCCCGGGCCCTTACCTGGAGGCAGGCA  
AGGGCACAGGCTGGAGCCATGCTGCTCTCGGGCTGTGCTGGGGGCCCTACGTGGCCACA  
CTGCTCCTCTCAGTCTTGGCCTATGAGCAGCGCCCGCCACTGGGGCTGGGACACTGTTG  
TCCCTCCTCCTCCTAGGAAGTGCAGTGCAGCGCAGTGCAGCCATGGGGCTGGGACACTGTTG  
GATCAGCGCTACACAGCCCTGGAGGGCAGCCGCCAAAGGTGCCTGCAGGGGCTGTGG  
GGAAGAGCCTCCCGGGACAGTCCCGGCCAGCATTGCCTACCACCAAGCAGCCAAAGC  
AGTGTGACCTGGACTTGAACAAAGGAAGGGCCTCTGCTGACTCCTACCAGAGCATCCG  
TCCAGCTCAGCCATCCAGCCTGTCTACTGGGCCCACTTCTCTGGATCAGAGACCCTG  
CCTCTGTTTGACCCCGCACTGACTGAATAAAGCTCCTCTGGCCGTTAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT



[View online »](#)

<b>ACCN:</b>	NM_001077191
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001077191.1, NP_001070659.1</u>
<b>RefSeq Size:</b>	2023 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	151306
<b>UniProt ID:</b>	<u>Q8TDU6</u>
<b>Cytogenetics:</b>	2q35
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.</p>