

## Product datasheet for **SC322087**

### **GPR1 (NM\_005279) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR1 (NM_005279) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322087  
 GGAGAAATCATTAAACCAAGGATTCAGACAGAGCCCAGAGCCCTGAAAACCTTTGGCCA  
 CGCACTTTCCCGCAGCAGCCACAGGCACCGGCAACTTCAGAGAGCCAGATAAAAGTGAA  
 TGAGGAATGCAGCCGTTCTGAACACCACCTCCATTTCTGGAACCGGGAAGGTACA  
 CCCAGGCATGACAATAGCTTCTCTCCTCACAGAAATTTAACTGATTTCTTATTCTCCAT  
 TTAGCAAGGTCATGGAAGATTTGGAGGAAACATTATTTGAAGAATTTGAGAACTATTCT  
 ATGACCTAGACTATTACTCTCTGGAGTCTGATTTGGAGGAGAAAGTCCAGCTGGGAGTTG  
 TTCCTGGGTCTCCCTGGTGTATATTGTTGGCTTTTGTCTGGGAATCCAGGAAATG  
 CCATCGTCATTTGGTTCACGGGGTTCAAGTGGAAGAAGACAGTCACTACTCTGTGGTTCC  
 TCAATCTAGCCATTGCGGATTTCAATTTTCTTCTTTCTGCCCCTGTACATCTCCTATG  
 TGGCCATGAATTTCCACTGGCCCTTTGGCATCTGGCTGTGCAAAGCCAATTCCTTCACTG  
 CCCAGTTGAACATGTTTGCCAGTGTTTTTTCTGACAGTGATCAGCCTGGACCACTATA  
 TCCACTTGATCCATCCTGTCTTATCTCATCGGCATCGAACCTCAAGAACTCTGTATTG  
 TCATTATATTCATCTGGCTTTTGGCTTCTAATTGGCGGTCTGCCCTGTACTCCGGG  
 ATACTGTGGAGTCAATAATCATACTCTTGTCTATAACAATTTTCAGAAGCATGATCCTG  
 ACCTCACTTTGATCAGGCACCATGTTCTGACTTGGGTGAAATTTATCATTGGCTATCTCT  
 TCCCTTTGCTAACAATGAGTATTTGCTACTTGTGTCTCATCTTCAAGGTGAAGAAGCGAA  
 GCATCCTGATCTCCAGTAGGCATTTCTGGACAATCTGGTTGTGGTTGTGGCCTTTGTGG  
 TTTGCTGGACTCCTTATCACCTGTTTAGCATTTGGGAGCTCACCACTTACCACAATAGCT  
 ATTCCCACCATGTGATGCAGGCTGGAATCCCCCTCTCCACTGGTTTGGCATTCTCAATA  
 GTTGCTTGAACCCATCCTTTATGTCCTAGTTAGTAAGAAGTTCCAAGCTCGCTCCGGT  
 CCTCAGTTGCTGAGATACTCAAGTACACACTGTGGGAAGTCAGCTGTTCTGGCACAGTGA  
 GTGAACAGCTCAGGAACTCAGAAACCAAGAATCTGTGTCTCCTGGAAACAGCTCAATAAG  
 TTATTACTTTTCCACAAATCAGTATATGGCTTTTATGTGGTCCCTGACTGATGCTTT  
 CAGATTAATAATTGTTTCCAAGATAGAGAGCCGACTCCACTTTCATAGTTATTGTTTCTGG  
 TCACTATATAGGCATCACATTTTGTGTGGATATGAAACTTAGGAAGGATCCTCTTGACT  
 CCTTGTGATGTGGCAATAAATTTTTTTTTAAAAAAGTAAAATACTTAGGAAGGATCCGCA  
 TAATTTTTTTCTGCAACTAAATGAAATGCATCATTCTTGTTAATTATACCATGGTGAAT  
 TAATCACTTTTGAAGCAATATCAGTTATTTTTTGAATAATAACTTTTCTAAAGCCTTAAG  
 TCTTAATATTAATATATGATTAGCCAGGCACGGTGGCTGACACCTGTAATCCAGCACT  
 TTGGGAGGCCAAGGTGGGGGATTACCCGAGGTCAGGAATTCGAGACCAGCTGACCAAC  
 ATGGAGAAACCCGCTCTACTAAAAATACAAAATTAGCCGGTCAATGGTGGTGCATGTCT  
 GCAAACCCAGCTACTCGGGAGGCTGAAGCAGGAGAATCACTTGAACCTGGGAGGCAGAGG  
 TTGTGGTGAGCCAACATCACACCATTGCACTCCAGCCTGGGCAACAAGAGTAAAACCTCTG  
 TCTCAAAAATAAATAAATAAATAAATAGATAAATAAATATATGATTAATAATTTTAAAAATG  
 TAAAAATGATTCTTAAATTCATTTTAAATTTTGTACAATAACCTGCTAGACACATTTTAA  
 AAATGCAACATGTGTAATTTCTTTATGTAATCTATGTATATACATTTATGAATTA  
 AGTAATTGTTGGTTATCTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_005279

**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.

<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><a href="#">NM_005279.2</a></u> , <u><a href="#">NP_005270.2</a></u>
<b>RefSeq Size:</b>	2089 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	2825
<b>UniProt ID:</b>	<u><a href="#">P46091</a></u>
<b>Cytogenetics:</b>	2q33.3
<b>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	Receptor for the inflammation-associated leukocyte chemoattractant chemerin/RARRES2 suggesting a role for this receptor in the regulation of inflammation (PubMed:18165312). Receptor for TAFA1, mediates its effects on neuronal stem-cell proliferation and differentiation via the activation of ROCK/ERK and ROCK/STAT3 signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) and all other variants encode the same protein.