

## Product datasheet for **SC316190**

### GPR1 (NM\_001098199) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR1 (NM_001098199) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316190 representing NM_001098199. Blue=Insert sequence Red=Cloning site Green=Tag(s)

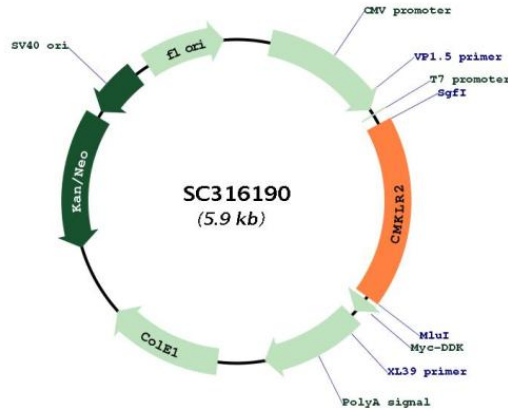
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGATTTGGAGGAAACATTATTTGAAGAATTTGAAAACATTTCCTATGACCTAGACTATTACTCT
CTGGAGTCTGATTTGGAGGAGAAAGTCCAGCTGGGAGTTGTTCACTGGGTCTCCCTGGTGTATATTGT
TTGGCTTTTGTCTGGGAATCCAGGAAATGCCATCGTCATTTGGTTCACGGGGTTCAAGTGAAGAAG
ACAGTCACCACCTGTGGTTCCTCAATCTAGCCATTGCGGATTCATTTTTCTTCTTTCTGCCCTG
TACATCTCCTATGTGGCCATGAATTTCCACTGGCCCTTTGGCATCTGGCTGTGCAAAGCCAATCCCTC
ACTGCCAGTTGAACATGTTTCCAGTGTTTTTTCTGACAGTGATCAGCCTGGACCATAATCCAC
TTGATCCATCCTGTCTTATCTCATCGGCATCGAACCTCAAGAACTCTCTGATTGTCATTATATTCATC
TGGCTTTTGGCTTCTCTAATTGGCGGTCTGCCCTGACTTCCGGGACACTGTGGAGTTCATAATCAT
ACTCTTTGCTATAACAATTTTTCAGAAGCATGATCCTGACCTCACTTTGATCAGGCACCATGTTCTGACT
TGGGTGAAATTTATCATTGGCTATCTCTCCCTTTGCTAACAATGAGTATTTGCTACTTGTGTCTCATC
TTCAAGGTGAAGAAGCGAAGCATCCTGATCTCCAGTAGGCATTTCTGGACAATCTGGTTGTGGTTGTG
GCCTTTGTGGTTTGTGGACTCCTTATCACCTGTTTAGCATTTGGGAGCTCACCATTACCACAATAGC
TATTCCCACCATGTGATGCAGGCTGGAATCCCCCTCTCCACTGGTTTGGCATTCTCAATAGTTGCTTG
AACCCCATCCTTTATGTCCTAATTAGTAAGAAGTCCAAGCTCGCTTCCGGTCTCAGTTGCTGAGATA
CTCAAGTACACACTGTGGGAAGTCAGCTGTTCTGGCACAGTGAGTGAACAGCTCAGGAACCTCAGAAAC
AAGAATCTGTGTCTCCTGGAAACAGCTCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM\_001098199

Insert Size: 1068 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:

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\\_001098199.1](#)

RefSeq Size: 2326 bp

RefSeq ORF: 1068 bp

<b>Locus ID:</b>	2825
<b>UniProt ID:</b>	<a href="#">P46091</a>
<b>Cytogenetics:</b>	2q33.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>MW:</b>	41.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.</p>