

Product datasheet for SC116835

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116835 sequence for NM_005279 edited (data generated by NextGen Sequencing)

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ATGGAAGATTTGGAGGAAACATTATTTGAAGAATTTGAAAACATTCCTATGACCTAGAC
TATTACTCTCTGGAGTCTGATTTGGAGGAGAAAGTCCAGCTGGGAGTTGTTCACTGGGTC
TCCTGGTGTTATATTGTTTGGCTTTTGTCTGGGAATCCAGGAAATGCCATCGTCATT
TGGTTCACGGGGTTCAAGTGGAAGAAGACAGTCACCACTCTGTGGTTCCTCAATCTAGCC
ATTGCGGATTTTCATTTTTCTTCTTTCTGCCCTGTACATCTCCTATGTGGCCATGAAT
TTCCAATGAGGCTTTGGCATCTGGCTGTGCAAAGCCAATTCCTTCACTGCCAGTTGAAC
ATGTTTGCAGTGTTTTTCTGACAGTGATCAGCCTGGACCACTATATCCAATTGATC
CATCCTGTCTTATCTCATCGGCATCGAACCTCAAGAAGTCTCTGATTGTCATTATATTC
ATCTGGCTTTTGGCTTCTAATTGGCGGTCTGCCCTGTACTCCGGGACACTGTGGAG
TTCAATAATCATACTCTTTGCTATAACAATTTTCAGAAGCATGATCCTGACCTCACTTTG
ATCAGGCACCATGTTCTGACTTGGGTGAAATTTATCATTGGCTATCTCTCCCTTTGCTA
ACAATGAGTATTTGCTACTTGTGTCTCATCTTCAAGGTGAAGAAGCGAAGCATCCTGATC
TCCAGTAGGCATTTCTGGACAATTCTGGTTGTGGTTGTGGCCTTTGTGGTTTGTGGACT
CCTTATCACCTGTTTAGCATTTGGGAGCTCACCATTACCACAATAGCTATTCACCACAT
GTGATGCAGGCTGGAATCCCCCTCTCCACTGGTTTGGCATTCTCAATAGTTGCTTGAAC
CCCATCCTTTATGTCCTAATTAGTAAGAAGTTCCAAGCTCGCTCCGGTCTCAGTTGCT
GAGATACTCAAGTACACACTGTGGGAAGTCAGCTGTTCTGGCACAGTGAGTGAACAGCTC
AGGAACTCAGAAACCAAGTCTGTGTCTCTGGAAACAGCTCAATAA

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Clone variation with respect to NM_005279.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005279 unedited
 GGGTCAAACCTCATTTGTNAATAACGAACTCAACTTATAGGGCCGGCCGCGTAATTCGGCC
 ACGAGGTTCCACCAGGCATGACAACAGCCTTTCTCTCCTCACAGAAATTTAACTGTTCC
 CTATATCATCGATGAAGGAACGGAGCTGATTGTACCAAAACCTTAATGATTTCTTCATT
 CTCCATTTAGCAAGGTCATGGAAGATTTGGAGGAACTTATTTGAAGAATTTGAAAACCTA
 TTCCTATGACCTAGACTATTAACCTCTCTGGAGTCTGATTTGGAGGAAGAAAAGTCCAGCT
 GGGAGTTGTTCACTGGGCTCCCTGGTGTATATTGTTTGGCTTTTGTCTGGGAATTC
 AGGAAATGCCATCGTCATTTGGTTCACGGGTTCAAGTGAAGAAGACAGTCACCACTCT
 GTGGTTCTCAATCTAGCCATTGCGGATTTCAATTTTTCTCTCTTTCTGCCCTGTACAT
 CTCCTATGTGGCCATGAATTTCCACTGGCCCTTTGGCATCTGGCTGTGCAAAGCCAATTC
 CTTCACTGCCAGTTGAACATGTTTCCAGTGTTTTTTCTGACAGTGATCAGCCTGGA
 CCACTATATCCACTTGATCCATCCTGTCTATCTCATCGGCATCGAACCTCAAGAACTC
 TCTGATTGTCATTATATTCATCTGGCTTTTGGCTTCTCTAATTGGCGGTCTGCCCTGTA
 CTTCCGGGACACTNGTGGAGTTCAATAATCATACTCTTTGCTATAACAATTTTCAGAAGC
 ATGATCCTGACCTCACTTTGATCAGGCACCATGTTCTGACTTGGGTGAAATTTATCATTG
 GCTATCTCTTCCCTTTGCTAACATGAGTATTTGCTACTTGTGTCTCATCTCAGGTGAAG
 AAGCGAGCATCCTGATCTNNCAGTAGCATTTTTCTGACATTCTGGTTGTGGTTGTGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005279 unedited
 NNGGGGATTCTTGAACCCGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTAAN
 ATAACCAACAATTACTTTAATTCATAAATGTATATACATAGATTACATAAAGAAATTAAG
 TACACATGTTGCATTTTAAAAATGTGTCTAGCAGGTTATTGTACAAAATTTAAATGAATT
 TAAGAATACATTTAACATTTTTAAAAATAGTTAATCATATATTTATTTATCTATTTTAT
 TTATTTATTTTTGAGACAGAGTTTTACTCTTGTGGCCAGGCTGGAGTGAATGGTGTGA
 TGTTGGCTCACCAACCTCTGCCTCCAGGTTCAAGTATTCTCTGCTTCAGCCTCCC
 GAGTAGCTGGGTTTGCAGACATGCACCACCATGACCGGCTAATTTTGTATTTTGTAAAGNA
 AAACGGGGTTTTNTNCATGTTGGTCAAGGCTGCTCGAATTCCTGACCTCGGGTAATCCC
 CCCACCTTGGCCTCCCAAAGTGTGGGATTACAGGTGTCAGCCACCGTGCCTGGCTAATC
 ATATATTTAATATTAAGACTTAAGGCTTTAGAAAAATTTATTTAAAAAATAACTGATA
 TTGCTTCAAAAGTGATTAATTCACCATGGTATAATTAACAAGAATGATGCATTTTCATTTA
 AGTTGCAGAAAAAATTTGCGGATCCTTNCTAAGTATTTTCAGTTTTTTAAAAAATTT
 ATTGCCACATCACAAGGAGTCAAGAGGATCCTTCCCTAGTTTCATATCCCACACAAAAAT
 GTGATGCCTATATTAGTGACCAGAAACAATACCTTTGAAAGTGGGATTCCGGTTCTCTTT
 CTTGGGAAAAAATTTAATTTGAAAGCATCAGTCAGAGGGACCACATAAAAAGCCTCTTCC
 TGTAGGTGGGAAAAGTAATAACTTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_005279

Insert Size:

2500 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).

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_005279.2 , NP_005270.2
RefSeq Size:	2089 bp
RefSeq ORF:	1068 bp
Locus ID:	2825
UniProt ID:	P46091
Cytogenetics:	2q33.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<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 (1) and all other variants encode the same protein.</p>