

Product datasheet for **SC332781**

GPR1 (NM_001261454) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR1 (NM_001261454) Human Untagged Clone
Tag: Tag Free
Symbol: GPR1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332781 representing NM_001261454.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGATTTGGAGGAAACATTATTTGAAGAATTTGAAAACATTCCTATGACCTAGACTATTACTCT
CTGGAGTCTGATTTGGAGGAGAAAGTCCAGCTGGGAGTTGTTCACTGGGTCTCCCTGGTGTATATTGT
TTGGCTTTTGTCTGGGAATCCAGGAAATGCCATCGTCATTTGGTTCACGGGGTTCAAGTGAAGAAG
ACAGTCACCACCTGTGGTTCCTCAATCTAGCCATTGCGGATTTCATTTTCTTCTTTCTGCCCTG
TACATCTCCTATGTGGCCATGAATTTCCACTGGCCCTTTGGCATCTGGCTGTGCAAAGCCAATTCCTTC
ACTGCCAGTTGAACATGTTTGGCAGTGTTTTTTCTGACAGTGATCAGCCTGGACCACATATCCAC
TTGATCCATCCTGTCTTATCTCATCGGCATCGAACCTCAAGAAGCTCTGATTGTCATTATATTATC
TGGCTTTTGGCTTCTCTAATTGGCGTCTGCCCTGTAATTCGGGACACTGTGGAGTTCATAATCAT
ACTCTTTGCTATAACAATTTTTCAGAAGCATGATCCTGACCTCACTTTGATCAGGCACCATGTTCTGACT
TGGGTGAAATTTATCATTGGCTATCTCTCCCTTTGCTAACAATGAGTATTTGCTACTTGTGCTCATC
TTCAAGGTGAAGAAGCGAAGCATCTGATCTCCAGTAGGCATTTCTGGACAATTCTGGTTGTGGTTGTG
GCCTTTGTGGTTTGTGGACTCCTTATCACCTGTTTAGCATTGGGAGCTCACCATTACCACAATAGC
TATTCCCACCATGTGATGCAGGCTGGAATCCCCCTCTCCACTGGTTTGGCATTCTCAATAGTTGCTTG
AACCCCATCCTTTATGTCCTAATTAGTAAGAAGTTCCAAGCTCGCTTCCGGTCTCAGTTGCTGAGATA
CTCAAGTACACACTGTGGGAAGTCAGCTGTTCTGGCACAGTGAGTGAACAGCTCAGGAAGCTCAGAAACC
AAGAATCTGTGCTCTCTGGAAACAGCTCAATAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001261454
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).
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_001261454.1](#)

RefSeq Size: 2172 bp

RefSeq ORF: 1068 bp

Locus ID: 2825

UniProt ID: [P46091](#)

Cytogenetics: 2q33.3

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 41.4 kDa

Gene Summary: 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 (5) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.