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Product datasheet for SC309358

GPR103 (QRFPR) (NM_198179) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR103 (QRFPR) (NM_198179) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR103
Synonyms:	AQ27; GPR103; SP9155
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_198179 edited
CCTTTCCCGAACCTCCCGGGGTGCAGCCTAGAGCCCTCCCGCGCGGCTGACTCCAGAGTA
GAGGAAGGGAGGCGGCCTCCGGCTGGTCCCCCGAAGCCCTCGCTGCCCCGCAGATGCGGA
TGGCCAGCCAGTAGCGGGCGGTGGCCCCGCGTCCCGGGAGCGCACAGCAATGCAGGCGCT
TAACATTACCCCGGAGCAGTTCTCTCGGCTGCTGCGGGACCACAACCTGACGCGGGAGCA
GTTCATCGCTCTGTACCGGCTGCGACCGCTCGTCTACACCCCAGAGCTGCCGGGACGCGC
CAAGCTGGCCCTCGTGCTCACCGGCGTGCTCATCTTCGCCCTGGCGCTCTTTGGCAATGC
TCTGGTGTTCTACGTGGTGACCCGCAGCAAGGCCATGCGCACCGTCACCAACATCTTTAT
CTGCTCCTTGGCGCTCAGTGACCTGCTCATCACCTTCTTCTGCATTCCCGTCACCATGCT
CCAGAACATTTCCGACAACTGGCTGGGGGGTGCTTTCATTTGCAAGATGGTGCCATTTGT
CCAGTCTACCGCTGTTGTGACAGAAATCCTCACTATGACCTGCATTGCTGTGGAAAGGCA
CCAGGGACTTGTGCATCCTTTTAAAATGAAGTGGCAATACACCAACCGAAGGGCTTTCAC
AATGCTAGGTGTGGTCTGGCTGGTGGCAGTCATCGTAGGATCACCCATGTGGCACGTGCA
ACAACTTGAGATCAAATATGACTTCCTATATGAAAAGGAACACATCTGCTGCTTAGAAGA
GTGGACCAGCCCTGTGCACCAGAAGATCTACACCACCTTCATTCTTGTCATCCTCTTCCT
CCTGCCTCTTATGGTGATGCTTATTCTGTACAGTAAAATTGGTTATGAACTTTGGATAAA
GAAAAGAGTTGGGGATGGTTCAGTGCTTCGAACTATTCATGGAAAAGAAATGTCCAAAAT
AGCCAGGAAGAAGAAACGAGCTGTCATTATGATGGTGACAGTGGTGGCTCTCTTTGCTGT
GTGCTGGGCACCATTCCATGTTGTCCATATGATGATTGAATACAGTAATTTTGAAAAGGA
ATATGATGATGTCACAATCAAGATGATTTTTGCTATCGTGCAAATTATTGGATTTTCCAA
CTCCATCTGTAATCCCATTGTCTATGCATTTATGAATGAAAACTTCAAAAAAAATGTTTC
GTCTGCAGTTTGTTATTGCATAGTAAATAAAACCTTCTCTCCAGCACAAAGGCATGGAAA
TTCAGGAATTACAATGATGCGGAAGAAAGCAAAGTTTTCCCTCAGAGAGAATCCAGTGGA
GGAAACCAAAGGAGAAGCATTCAGTGATGGCAACATTGAAGTCAAATTGTGTGAACAGAC
AGAGGAGAAGAAAAAGCTCAAACGACATCTTGCTCTCTTTAGGTCTGAACTGGCTGAGAA
TTCTCCTTTAGACAGTGGGCATTAATTATAACAATATCTTCATAATTAATGCCCTTCAGA
TTGTAACCCAAAGAGAAAATTATTTTGAGCAAAGGTCAAATACTCTTTTTATTCTTAAGA
TGATGACAAGAAGAAAACAAATCATGTTTCCATTAAAAAATGACACGAGGCTAGTCCAAG
TGCAGTGATGTTTACAACCAATTGATCACAATCATTTAACAGATTTCTGTGTTCCTTCTC
ATTCCCACTGCTTCACTTGACTAGCCTTAAAAAAGCAACATGGAAGGCCAGGCACGGTGG
CTCATGCCTGTAATCCCAGCACTTTGGGAGGCCTAGACGGGCGGATCACGAGGTCAGGAG
ATCAAAACCATCCTGGCTAACACGGTGAAACCCCATCTCTGCTAAAAATACAAAAATTAG
CCGGGCGTGGTGGCGGGCACCTGTAGTCCCAGCTACTTGGGAGCCTCAGGCGGGAGAATG
GTGTGAACCCGGGAGGCGGAGCTTGCAGTGATCCGAGATCGTGACACTGCACTCCAGCCT
GGGCGAAAGAGCGAGACTCCCCGTCTCAAAAAAATTTTTTTGAAAAATTCGTAAACCATA
TTTTAAGATTATTTCAGTGGATTTTTAAAAATCTTGTACAGAAATCAGGGTTCTTAGCTA
GCAGTTTTTATGCCCACGCAGTCAATGTAATGTGACTATGT

5' Read Nucleotide Sequence:

>Reverse primer walk for NM_198179 unedited
TTCTGTGCCAGGCTGGTCCATCTTCTAGACACANAGTGTTCCTTTTCATATAGAAGTCAT
ATTTGATCTCAGTTGTTGCACGTGCCACATGGGTGATCCTACGATGACTGCCACCAGCCA
GACCACACCTAGCATTGTGAAAGCCCTTCGGTTGGTGTATTGCCACTTCATTTTAAAAGG
ATGCACAAGTCCCTGGTGCCTTTCCACAGCAATGCAGGTCATAGTGAGGATTTCTGTCAC
AACAGCGGTAGACTGGACAAATGGCACCATCTTGCAAATGAAAGCACCCCCCAGCCAGTT
GTCGGAAATGTTCTGGAGCATGGTGACGGGAATGCAGAAGAAGGTGATGAGCAGGTCACT
GAGCGCCAAGGAGCAGATAAAGATGTTGGTGACGGTGCGCATGGCCTTGCTGCGGGTCAC
CACGTAGAACACCAGAGCATTGCCAAAGAGCGCCAGGGCGAAGATGAGCACGCCGGTGAG
CACGAGGGCCAGCTTGGCGCGTCCCGGCAGCTCTGGGGTGTAGACGAGCGGTCGCAGCCG
GTACAGAGCGATGAACTGCTCCCGCGTCAGGTTGTGGTCCCGCAGCAGCCGAGAGAACTG
CTCCGGGGTAATGTTAAGCGCCTGCATTGCTGTGCGCCTCCCGGGACGCGGGCCACCGCC
CGCTACTGGCTGGCCATCCGCATCTGCNGNGCAGCGAGGGCTTTCGGGGACCAGCCCGGA
GCCGCCTCCCTTCCTCTACTCTGGAGTCAGCCGCGCCGGAAGGCTCTAGGCTGCACCCCG
GGAGGTTCGGGAAAAGCCTCGTGCCGAATTTCGCACGAGGCCTCGTGCCGAATCGCCGCC
GCCCTATAGTGAGTCGTATTACAAAATTCTGACGTTA

Restriction Sites: Please inquire

ACCN: NM_198179

Insert Size: 2100 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: There are 8 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 3 amino acid.

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_198179.1, NP_937822.1

RefSeq Size: 1296 bp

RefSeq ORF: 1296 bp

Locus ID: 84109

UniProt ID: Q96P65

Cytogenetics: 4q27

Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Receptor for the orexigenic neuropeptide QRFP. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and intracellular calcium levels. [UniProtKB/Swiss-Prot Function]