

## Product datasheet for SC116801

### GPR22 (NM\_005295) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR22 (NM_005295) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005295, RT-PCR generated ACCAACTGCTCCAAAAGAATGTGTTTTTCTCCATTCTGGAAATCAACATGCAGTCTGAA TCTAACATTACAGTGCAGATGACATTGATGACATCAACACCAATATGTACCAACCACTA TCATATCCGTTAAGCTTTCAAGTGTCTCTCACCGATTCTTATGTTAGAAATTGTGTTG GGACTTGGCAGCAACCTCACTGTATTGGTACTTTACTGCATGAAATCCAACCTTAATCAAC TCTGTCAGTAACATTATTACAATGAATCTTCATGTAATGTAATAATTTGTGTGGGA TGATTCTCTAACTATAGTTATCCTTCTGCTTCTCACTGGAGAGTAACACTGCTCTCATT TGCTGTTTCCATGAGGCTTGTGTATCTTTGCAAGTGTCTCAACAGCAATCAACGTTTTT GCTATCACTTTGGACAGATATGACATCTCTGTAACCTGCAAACCGAATTCTGACAATG GGCAGAGCTGTAGTGTAAATGATATCCATTTGGATTTTTCTTTTTCTTTTCTTTTCTGATT CCTTTTATTGAGGTAATTTTTTTCAGTCTTCAAAGTGGAATACCTGGGAAAACAAGACA CTTTTATGTGTCAGTACAAATGAATACTACTACTGAACTGGGAATGTATTATCACCTGTTA GTACAGATCCCAATATTCTTTTTCACTGTTGTAGTAATGTTAATCACATACACCAAAATA CTTCAGGCTCTTAATATTCTGAATAGGCACAAGATTTTCAACAGGGCAGAAGAAGAAAGCA AGAAAGAAAAAGACAATTTCTCTAACCACACAACATGAGGCTACAGACATGTCACAAAGC AGTGGTGGGAGAAATGTAGTCTTTGGTGAAGAACTTCAGTTTCTGTAATAATTGCCCTC CGGCGAGCTGTGAAACGACACCGTGAACGACGAGAAAGACAAAAGAGAGTCTTCAGGATG TCTTTATTGATTATTTCTACATTTCTTCTGCTGGACACCAATTTCTGTTTTAAATACC ACCATTTTATGTTTAGGCCCAAGTGACCTTTTAGTAAAATTAAGATTGTGTTTTTATGTC ATGGCTTATGGAACAACATATTTTACCCTCTATTATATGCATTACTAGACAAAATTT CAAAAGGTCTTGAAAAGTAAAATGAAAAAGCGAGTTGTTTCTATAGTAGAAGCTGATCCC CTGCCTAATAATGCTGTAATACACAACCTTTGGATAGATCCTAAAAGAAACAAAAAATT ACCTTTGAAGATAGTGAATAAGAGAAAAATGTTTAGTGCCTCAGGTTGTCACAGACTAG AGA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005295 unedited  
 GGGGTTTCGAGATTTGTNAAACGACTTACTATAGGCGGCCGCCAGTGTGATGGGTATCTGC  
 AGATTCGGCTTAAANAACCTGCTCCAAAAGAAGTGTTCCTCCATTCTGGAAAAACAT  
 GCAGTACTGAATCAACATTACAGTGGCAGATGACATTGATGACATCAACACCAATATGT  
 ACCAACCACTATCATATCCGTTAAGCTTCAAGTGTCTCTCACCGGATTTCTTATGTTAG  
 AAATTGTGTTGGGACTTGGCAGCAACCTCACTGTATTGGTACTTTACTGCATGAAATCCA  
 ACTTAATCAACTCTGTCAGTAACATTATTACAATGAATCTTCATGACTTGATGTAATAA  
 TTTGTGTTGGGATGATTCCCTCTAACTATAGTTATCCTTCTGCTTTCACTGGAGAGTAACA  
 CTGCTCTCATTTGCTGTTTCCATGAGGCTTGTGTATCTTTTGCAAGTGTCTCAACAGCAA  
 TCAACGTTTTTGTATCACTTTGGACAGATATGACATCTCTGTAACCTGCAACCCGAA  
 TTCTGACAATGGCAGAGCTGTAGTGTTAATGATATCCATTTGGATTTTTCTTTTTTCT  
 CTTTCTGATTCTTTTATTGAGGTAATTTTTTTCAGTCTCAAAGTGGAAATACCTGAG  
 AAAACAAGACACTTTTATGTGTCAGTACAAATGAATACTACACTGAACTGGGAATGTATT  
 ATCACCTGTTAGTACAGATCCCAATATTCTTTTCACTGGTGTAGTAATGTTAATCACAT  
 ACACCAAAATACTTCAGGCTCTTAATATTGCAATAGGCACAAGATTTTCAACAGGGCAGA  
 AGAAGAAGTCAGAAAGAAAAGACATTTCTCTAACCACACAACATGAGCTACAGACATGTA  
 CAAAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005295 unedited  
 ATCGACAANCTTGATATCGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCT  
 GGAATTCGGCTTCTCTAGTCTGTGACAACCTGAGGCACTAAACATTTTTCTCTTATTTT  
 ACTATCTTCAAAGGTAATTTTTTGTCTTTTAGGATCTATCCAAGAGTTGTGTATTAC  
 AGCATTATTAGGCAGGGGATCAGCTTCTACTATAGAAACAACCTGCTTTTTCATTTTACT  
 TTTCAAGACCTTTTGAATTTTTGTCTAGTGAATGCATATAATAGAGGGTGAATATAGT  
 TGTTCCATAAGCCATGACTAAAAAACACAATCTTAATTTTACTAAAAGGTCACTGGGCC  
 TAAACATAAAATGGTGGTATTTAAAACAGAAATGGTGTCCAGCAGAGAAGAAATGTAGA  
 AATAATCAAATAAGACATCCTGAAGACTCTTTTTGTCTTTCTCGTCGTTACCGGTGTCG  
 TTTACAGCTCGCCGGAGGGCAATTATTACAGAACTGAAGTTCTTACACCAAAGACTAC  
 ATTTCTCCACCCTGCTTTGTGACATGTCTGTAGCCTCATGTTGTGGTTAGAGAAAT  
 TGTCTTTTTCTTTCTTGTCTTTCTTCTGCCCCTGTTGAAATCTTGTGCCTATTGCAAT  
 ATTAAGAGCCTGAAGTATTTGGTGTATGTGATTAACATTACTACAACAGTGAAAAAGAT  
 ATGGGATCTGTACTAACAGGTGATAATACATTCCAGTTCAGTGTAGTATTCATTTGTA  
 CTGACACATAAAAGTGTCTTGTCTTCCAGGATTTCCCTTTGAAGACTGAAAAATTTA  
 CTA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_005295

**Insert Size:**

1500 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\\_005295.1](#), [NP\\_005286.1](#)

**RefSeq Size:** 1302 bp

**RefSeq ORF:** 1302 bp

**Locus ID:** 2845

**UniProt ID:** [Q99680](#)

**Cytogenetics:** 7q22.3

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Gene Summary:** This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein. [provided by RefSeq, Jul 2008]