

## Product datasheet for SC116800

### GPR20 (NM\_005293) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR20 (NM_005293) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116800 sequence for NM_005293 edited (data generated by NextGen Sequencing)

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ATGCCCTCTGTCTCCAGCGGGGCCCTCGGCCGGGCGAGTCCCCAATGCCACCGCAGTG
ACAACAGTGCAGCAATGCCAGCGGGCTGGAGGTGCCCTGTTCCACCTGTTTGCCCGG
CTGGACGAGGAGCTGCATGGCACCTTCCAGGCCTGTGGCTGGCGCTGATGGCGGTGCAC
GGAGCCATCTTCTGGCAGGGCTGGTGCTCAACGGGCTGGCGCTGTACGTCTTCTGCTGC
CGCACCCGGGCAAGACACCCCTCAGTCATCTACACCATCAACCTGGTGGTGACCGATCTA
CTGGTAGGGCTGTCCCTGCCACGCGCTTCGCTGTGTACTACGGCGCCAGGGGCTGCCTG
CGCTGTGCCTTCCCGCACGTCTCGGTTACTTCTCAACATGCACTGCTCCATCCTCTTC
CTCACCTGCATCTGCGTGGACCGCTACCTGGCCATCGTGCGGCCCTGAAGGCTCCCGCCG
TGCCGCCAGCCTGCCTGTGCCAGGGCCGTGTGCGCCTTCGTGTGGCTGGCCCGCGTGCC
GTCACCCGTGTCGGTGTGGGCGTGACAGGCAGCCGGCCCTGCTGCGGTGCTTTGCGCTG
ACTGCTCTGGAGTTCCTGCTGCCTCTGCTGGTCATCAGCGTGTTACCGGCCGCATCATG
TGTGCACTGTGCGGCGCGGTCTGCTCCGCCAGGGTCGCCAGCGCCGCTGCGGGCCATG
CAGCTCCTGCTCACGGTGTCTATCATCTTTCTCGTCTGCTTACGCCCTTCCAGCCCCG
CAAGTGGCCGTGGCGCTGTGGCCGACATGCCACACCACAGAGCCTCGTGGTCTACCAC
GTGGCCGTGACCCTCAGCAGCCTCAACAGCTGCATGGACCCCATCGTCTACTGCTTCGTC
ACCAAGTGGCTTCCAGGCCACCGTCCGAGGCCTTTCGGCCAGCACGGAGAGCGTGAGCCC
AGCAGCGGTGACGTGGTCAAGATGCACAGGAGCTCCAAGGGCTCAGGCCGTCATCATC
CTCAGTGCCGGCCCTCACGCCCTCACCCAGGCCCTGGCTAATGGGCCCGAGGCTTAG

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Clone variation with respect to NM\_005293.2  
465 c=>t;624 c=>t;689 a=>g



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005293 unedited  
 GATTTTGTAAACGACTTACTGATAGGGCGGCCGGAATTCGCACCAGGTCCGGGCTGCA  
 TGCAGAGCTGAGAGCTGAGGACTCCCATCTCCAGCCTGCCCGGTGAAGCGCGCCTGGG  
 GTGTGCTGGCTGCCGTATGCCCTCTGTGTCTCCAGCGGGGCCCTCGGCCGGGCGAGTCC  
 CCAATGCCACCGCAGTGACAACAGTGCCGACCAATGCCAGCGGGCTGGAGGTGCCCTGT  
 TCCACCTGTTTGGCCGGCTGGACGAGGAGCTGCATGGCACCTTCCAGGCCTGTGGCTGG  
 CGCTGATGGCGGTGCACGAGCCATCTTCTGGCAGGGCTGGTGTCAACGGGCTGGCGC  
 TGTACGTCTTCTGCTGCCGACCCGGGCAAGACACCCTCAGTCATCTACACCATCAACC  
 TGGTGGTGACCGATCTACTGGTAGGGCTGTCCCTGCCACGCGCTTCGCTGTGTACTACG  
 GCGCCAGGGGCTGCCTGCGCTGTGCCTTCCCGCACGTCTCGGTTACTTCTCAACATGC  
 ACTGCTCCATCTTCTCACCTGCATCTGCGTGGACCGCTACCTGGCCATCGTGCGGC  
 CTGAAGGCTCCCGCGCTGCCGCCAGCCTGCCTGTGCCAGGGCGTGTGCGCCTTCGTGT  
 GGCTGGCCGCGGTGCCGTACCCTGTCCGTGCTGGGCGTGACAGGCAGCCGGCCCTGCT  
 GCCGTGCTTTGCGCTGACTGTCTGGAGTTCTGCTGCCTCTGTGGTCATCAGCGTGT  
 TTACCGGCCGCATCATGTGTGACTGTCCGGCCGGGTGTCNTGCCAGGGTCGCCAGC  
 GCCGCGTCCGGGCAATGCNAGCTCTGCTNACGGGGCTCATCATCTTCTGCTCTGCTTCA  
 CGCCCTTCCACGCCCGCAAGTGCCCGTGGCGCTGTTGCCNGACATGCACCCANACGA  
 GCCTGGTTNTCTACCACGTGGGNCGTGACCCTNAGAAGCTCAAAGCTGGATGGACCCATT  
 GTTACTGTTTGTAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005293 unedited  
 TTTNNAACGTTTTATATGNACCGCGCCGATACNANGATCGGTTTTTTTTTTTTTTTTTT  
 TTTTCATCTCATCTTCTAATCATGAAATCCACTGTGCCCTTTTTCTGAGGAACTCCT  
 TCTGGAGACAAACTGGCCAAAGTGAGGAGCAGCTCCCGGCTACCCTGTGAGTTTTCACT  
 GGACGTGCTATACCCAGGAACAGCAAATCACCGCATTACAGGCCACCACATCCCATCGG  
 AGCCAGTGGCAGACATTGCTAATCAACCACAGCACAGTGGCCTTAGACGCTCAATGCGGT  
 GCTCTGGGTAGCCATACCAATCAATCGAGATGGAACCGATTGCCACCCCTGGCATGGT  
 GGTGTCCACGCTGGCATGCCAGATGAGTCTGACCTTCGGCCCTGGCAGAGCCCTGCT  
 GACTAAGCCTCGGGCCATTATCCAGGGCCTGGGTGAGGGCGTGAGGGCCGGCACTGAGG  
 ATGTGATGACGGCCTGAGCCCTGGAGCTCCTGTGCATGTGACCACGTACCCGCTGCTG  
 GGCTCACGCTCTCCGTGCTGGCCGAAGAGGCTCGGACGGTGGCCTGGAAGCCACTGGT  
 ACGAAGCAGTAGACGATGGGGTCCATGCAGCTGTTGAGGCTGCTGAGGGTACGGCCACG  
 TGGTAGACCACGAGGCTCGTGTGGTGTGGCATGTCCGGCCACAGCGCCACGGCCACTTGG  
 CGGGCGTGAAGGGCGTGAAGCANACGAGAAAGATGATGAGCACCGTGAGCAGGAGCTGC  
 ATGGCCCCGACGCGGCTGGCGACCCTGGCGGAGCAGACCCGGGCCGCGAAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005293

**Insert Size:**

1850 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005293.1</a> , <a href="#">NP_005284.1</a>
<b>RefSeq Size:</b>	1077 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	2843
<b>UniProt ID:</b>	<a href="#">Q99678</a>
<b>Cytogenetics:</b>	8q24.3
<b>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	Orphan receptor with constitutive G(i) signaling activity that activate cyclic AMP. [UniProtKB/Swiss-Prot Function]