

## Product datasheet for **SC116558**

### GPR52 (NM\_005684) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR52 (NM_005684) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR52
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005684, RT-PCR generated TCCAAGCCATGAATGAATCCAGGTGGACTGAATGGAGGATCCTGAACATGAGCAGTGGCATTGTGAATG TGTCCGAGCGTCACTCCTGCCACTTGGATTTGGCCACTACAGTGTGGTGGATGTCTGCATCTTCGAGAC AGTGGTTATTGTGTTGCTGACATTTCTGATCATTGCTGGGAATCTAACAGTTATCTTTGCTTTTCATTGT GCTCCACTGTTACATCATTATACTACCAGCTATTTCAATCAGACGATGGCATATGCTGATCTTTTCGTTG GAGTTAGCTGCTTGGTTCCTACTCTGCACTTCTCCACTACTCCACAGGTGTCCACGAGTCATTGACTTG CCAGGTTTTGGATATATCATCTCAGTTCTAAAAAGTGTTCATGGCATGTCTTGCTTGCCATCAGTGTG GATCGTTATCTTGCAATAACCAAGCCTCTTTCCTACAATCAACTGGTCACCCCTTGTGCTTGAGAAATTT GCATTATTTGATCTGGATCTACTCCTGCCTAATTTCTTGCCCTTCCTTTTTGGCTGGGGGAAACCTGG TTACCATGGTGACATTTTTGAATGGTGTGCCACGTCTGGCTCACCAGTGCCTATTTACTGGCTTTATT GTTTGTACTTTATGCTCCTGCTGCCTTTGTTGCTGCTTCACTTCCACATTTTCAAATTTGCC GTCAGCACACCAAGAGATAAATGACCGAAGAGCCCGATTCCCTAGTCATGAGGTAGATTCTTCAGAGA GACTGGACACAGCCCTGACCGTCGCTACGCCATGGTTTTGTTTAGGATAACCAAGTATTTTATATGCTG TGGCTCCCTATATAATTTACTTTCTTCTAGAAAAGCTCCCGGGTCTGGACAATCCAACCTGTCTCTTCT TAACAACCTGGCTTGCAATAAGTAATAGTTTTTGTAACTGTGTAATATACAGCCTCCCAACAGCGTTTT CCGGCTAGGCCTCCGAAGACTGTCTGAGACAATGTGCACATCCTGTATGTGTGTGAAGGATCAGGAAGCA CAAGAACCAACCTAGGAAACGGGCTAATTCTTGCTCCATTTGAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005684 unedited NNTTTTTTNNNATTCAGATTTGTAAACTATCATATAGGCGGCCGCCAGTGTGATGGGTA TCTGCAGAATTCGGCTTCCAAGCCATGAATGAATCCAGGTGGACTGAATGGAGGATCCTG AACATGAGCAGTGGCATTGTGAATGTGTCCGAGCGTCACTCTGCCCACTTGGATTTGGC CACTACAGTGTGGTGGATGTCTGCATCTTCGAGACAGTGGTTATTGTGTTGCTGACATTT CTGATCATTGTGGGAATCTAACAGTTATCTTTGTCTTTTCATTGTGCTCCACTGTTACAT CATTATACTACCAGTATTTTCATTACAGATGGCATATGCTGATCTTTTCGTTGGAGTT AGCTGCTTGGTTCTACTCTGTCACTTCTCCACTACTCCACAGGTGCCACGAGTCATTG ACTTGCCAATGTTTTGGATATATCATCTCAGTTCTAAAAAGTGTTCATGGCATGATC TTGCTTATATCAGTGTGGATCGTTATCTTGCAATAACCAAGCCTCTTTCACAACTCAAC TGGTCACCCCTTGTGCTTGGAGATTTGCATTATTTTGATCTGGATCTACTCCTGCCTAA TTTTCTTGCTTCTTTTTTGGCTGGGGAAACCTGGTTACCATGGTGACATTTTGAAT GGTGTGCCACGTCTGGCTCACCAGTGCCTATTTACTGGCTTTATAGTTTGCTTACTTT ATGCTACTGCTGCCTTTGTGTCTGCTTCACTTACGTCCACATGTTCAAATTTGCCGTC AGCACACCAAAGAGATAAATGACCGAAGAGCCCGATTCCCCTATCATGCAGTAGATTCTT GCC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005684 unedited TTTTNNATNCGTTTTATCTATGNNAACCGCGCCGAATCTANGATCGACAGNCTTGAAT CGGTACCAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTCAAAT GGAGCAAGAAATGAGCCGTTTCCCTAGGTTTGGGTTCTTGTGCTTCTGATCCTTCACACA CATAACAGGATGTGCACATTGTCTCAGACAGTCTTCGGAGGCTAGCCGGAAAACGCTGTT GGGGAGGCTGTATATTACACAGTTACAAAACTTACTTATTGCAAGCCAGTTGTTAA GAAGGACAGAGTTGATTGTCCAAGACCCGGGAGCTTTCTAGAAGAAAGTAAATTATATA GGGGAGCCACAGCATATAAAATACACTGGTTATCCTAAACAAAACCATGGCGTAGCGACG GTCAGGGCTGTGTCCAGTCTCTGGAAGAATCTACCTCATGACTAGGGAATCGGGCTCT TCGGTCATTTATCTTTGGTGTGCTGACGGCAAATTTGAAAATGTGGAAGTAAGTGAA GCAGACAACAAAGGCAGCAGGAGCATAAAGTAAACAAACAATAAAGCCAGTAAAAAGGC ACTGGTGAACCAAGAGCTGGCACACCATTCAAAAATGTCACCATGGTAACCAGGTTTCCC CCAGCCAAAAAAGGAAGGCAAGAAAATTAGGCAGGAGTAGATCCAGATCAAATAATGCA AATTCTCAAGCGACAAGGGGTGACCAGTTGATTGTAGGAAAGAGGCTTGGTTATTGCAAG ATAACGATCCCACTNGATGCAGCAAGACATGCCATAGAAACACTTTTTAGAACTGAGAT GATATATCCAAAAACCTGGCAAGTCA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005684
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_005684.2](#), [NP\\_005675.2](#)

**RefSeq Size:** 1474 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 9293

**UniProt ID:** [Q9Y2T5](#)

**Cytogenetics:** 1q25.1

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

**Gene Summary:** Members of the G protein-coupled receptor (GPR) family play important roles in signal transduction from the external environment to the inside of the cell.[supplied by OMIM, Jul 2002]