

Product datasheet for **SC116836**

GPR3 (NM_005281) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR3 (NM_005281) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR3
Synonyms:	ACCA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005281, RT-PCR generated
GGTCAGCTTCTACAAGGCCTTTCTCCTGCAGGTACCATGATGTGGGGTGCAGGCAGCCCT
CTGGCCTGGCTCTCAGCTGGCTCAGGCAACGTGAATGTAAGCAGCGTGGGCCAGCAGAG
GGGCCACAGGTCCAGCCGACCACTGCCCTCGCCTAAGGCCTGGGATGTGGTGCTCTGC
ATCTCAGGCACCCTGGTGTCTCCTGCGAGAATGCGCTAGTGGTGGCCATCATCGTGGGCACT
CCTGCCTTCCGTGCCCCATGTTCTGCTGGTGGGAGCCTGGCCGTGGCAGACCTGCTG
GCAGGCCTGGGCCTGGTCTGCACTTTGCTGCTGTCTTCTGCATCGGCTCAGCGGAGATG
AGCCTGGTGTGGTTGGCGTGTGGCAATGGCCTTACC GCCAGCATCGGCAGTCTACTG
GCCATCACTGTCGACCGTACCTTTCTGTACAATGCCCTCACCTACTATTCAGAGACA
ACAGTGACACGGACCTATGTGATGCTGGCCTTAGTGTGGGAGGTGCCCTGGGCCTGGGG
CTGCTGCCTGTGCTGGCCTGGAAGTGCCTGGATGGCCTGACCACATGTGGCGTGGTTTAT
CCTACTCTCCAAGAACCATCTGGTAGTTCTGGCCATTGCCTTCTTCATGGTGGTTTGGCATC
ATGCTGCAGCTCTACGCCAAATCTGCCGCATCGTCTGCCGCCATGCCAGCAGATTGCC
CTTCAGCGGCACCTGCTGCCTGCCCTCCCACTATGTGGCCACCCGAAGGGCATTGCCACA
CTGGCCGTGGTGTGGAGCCTTTGCCGCTGCTGGTGGCCCTTCACTGTCTACTGCCTG
CTGGGTGATGCCACTCTCCACCTCTACACCTATCTTACCTTGCTCCCTGCCACCTAC
AACTCCATGATCAACCCTATCATCTACGCCTTCCGCAACCAGGATGTGCAGAAAGTGCTG
TGGGCTGTCTGCTGCTGTTTCTCCTTCCAAGATCCCCCTCCGATCCCCTCCCCAGT
GATGTCTAGCTGAGTCTTCATGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005281 unedited</p> <pre> TTTTCCGCCGCGNAGTTTCGAGATTTGTNAAACGACTTACTATAGGCGGCCGCGCAATTCGAT CTGGTACCTGATGTGGGGTGCAGGCAGCCCTCTGGCCTGGCTCTCAGCTGGCTCAGGGCAA CGTGAATGTAAGCAGCGTGGGCCAGCAGAGGGGCCACAGGTCCAGCCGCACTACTGCC CTCGCCTAAGGCCTGGGATGTGGTGTCTGCATCTCAGGCACCCTGGTGTCTGCGAGAA TGCGTAGTGGTGGCCATCATCGTGGGCACTCTGCCTTCCGTGCCCCCATGTTCTCTGCT GGTGGGCAGCCTGGCCGTGGCAGACCTGCTGGCAGGCCTGGGCCTGGTCTGCACCTTGC TGCTGTCTTCTGCATCGGCTCAGCGGAGATGAGCCTGGTGTGGTGGCGTGGTGGCAAT GGCCTTTACCGCCAGCATCGGCAGTCTACTGGCCATCACTGTGCGACCGCTACCTTTCTCT GTACAATGCCCTCACCTACTATTAGAGACAACAGTGACACGGACCTATGTGATGCTGGC CTTAGTGTGGGAGGTGCCCTGGGCCTGGGGCTGCTGCCTGTGCTGGCCTGGAATGCCT GGATGGCCTGACCACATGTGGCGTGGTTTATCCACTCTCCAAGAACCATCTGGTAGTTCT GGCCATTGCCTTCTTTCATGGTGTGGCATCATGCTGCAGCTCTACCCCAAATCTGCCG CATCCTCTGCCGCATGCCAGCAAATTGCCCTTAACGGCACCTGCTGCCTGCCCTCCAC TATGTGGCCCCCCCCAAGGGCATTGCCACCTGGGCCTGGGGCTTGAGCCTTTGCCCTGC GGTGCCTTATGTT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005281 unedited</p> <pre> NGCCCCATGGAATGGCAACTTCCAGNCCAGNANAGCACTGGGGNAGGGTACAGGGGATG CCACCCGGGATCTGTTCCAGGAAACAGCTATGACCGCGGCCCGCCAGTGTGATGGATATCTG CAGAAATTCGGCTTGTGCATGAAGACCTCAGCTTAGACATCACTTGGGGGAGCCGGGATCG GAAGGGGATCTTGAAGAGGAACAGCAGCAGCAGACAGCCACAGCACTTCTGCACATC CTGGTTGCGGAAGGCGTAGATGATAGGGTTGATCATGGAGTTGTAGGTGGCAGGGAGCAA GGTAAGATAGGTGTAGAGAGGTGGAGAGTGGGCATCACCCAGCAGGCAGTAGACAGTGAA GGGAACAGCAGGCGGCAAGGCTCCAAGCACCGGCCAGTGTGGCAATGCCCTTGGC GGTGGCCACATAGTGGGAGGCAGGCAGCAGGTGCCGCTGAAGGGCAATCTGCTGGGCATG GCGGCAGACGATGCGGCAGATTTGGGCGTAGAGCTGCAGCATGATGCCAAACACCATGAA GAAGGCAATGGCCAGAATACCAGATGGTCTTGGAGAGTGGATAAACACCGCCACATGT GGTCAGGCCATCCAGGCAGTTCAGGCCAGCACAGGCAGCAGCCAGGCCAGGCCAGGCCACC TCCCCACACTAAGGCCAGCATCATAGGTCCGTGTCACTGTTGTCTCTGAATAGTANGT GAGGGCATTGTACAGAGAAAGGTAGCGGTGACAGTGTGATGGCCAGTAGACTGCCGATGCC TGCGGTAAGGCCATTGCCAGCAGCCAACAGCACAGGCTCATCTNCGCTGAGCCGAT GCAGAAGACAGCAGCNAAGTGCAGGACCAGGCCAGCCAGCCTGGCAGCCAGTCTGCCACGGC CAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_005281
Insert Size:	1050 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:	<ol style="list-style-type: none">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_005281.2 , NP_005272.1
RefSeq Size:	2145 bp
RefSeq ORF:	993 bp
Locus ID:	2827
UniProt ID:	P46089
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene is a member of the G protein-coupled receptor family and is found in the cell membrane. G protein-coupled receptors, characterized by a seven transmembrane domain motif, are involved in translating outside signals into G protein mediated intracellular effects. The encoded protein activates adenylate cyclase and modulates amyloid-beta production in a mouse model, suggesting that it may play a role in Alzheimer's disease. [provided by RefSeq, Oct 2012]