

## Product datasheet for **SC319759**

### GPR84 (NM\_020370) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPR84 (NM\_020370) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GPR84  
**Synonyms:** EX33; GPCR4  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_020370.1  
GCTTGAAGCCTAACTGTCCACCAGAAAGGACTGCTCTTTGGGTGAGTTGAACTTCTTCCA  
TTATAGAAGAATTGAAGGCTGAGAACTCAGCCTCTATCATGTGGAACAGCTCTGACGC  
CAACTTCTCCTGCTACCATGAGTCTGTGCTGGGCTATCGTTATGTTGAGTTAGCTGGG  
GGTGGTGGTGGCTGTGACAGGCACCGTGGGCAATGTGCTCACCCCTACTGGCCTTGCCAT  
CCAGCCCAAGCTCCGTACCCGATTCAACCTGCTCATAGCCAACCTCACACTGGCTGATCT  
CCTCTACTGCACGCTCCTCAGCCCTTCTGTGGACACCTACCTCCACCTGCACTGGCG  
CACCGGTGCCACCTTCTGCAGGGTATTTGGGCTCCTCTTTTGCCTCCAATTCTGTCTC  
CATCCTGACCCTCTGCCTCATCGCACTGGGACGCTACCTCCTCATTGCCACCCTAAGCT  
TTTTCCCCAAGTTTTCAGTGCCAAGGGGATAGTGTGGCACTGGTGGACCTGGGTTGT  
GGGCGTGGCCAGCTTTGCTCCCCTCTGGCCTATTTATATCCTGGTACCTGTAGTCTGCAC  
CTGCAGCTTTGACCGCATCCGAGCCGGCCTTACACCACCATCCTCATGGGCATCTACTT  
TGTGCTTGGGCTCAGCAGTGTGGCATCTTCTATTGCCTCATCCACCGCCAGGTCAAACG  
AGCAGCACAGGCACTGGACCAATACAAGTTGCGACAGGCAAGCATCCACTCCAACCATGT  
GGCCAGGACTGATGAGGCCATGCCTGGTCGTTTCCAGGAGCTGGACAGCAGGTTAGCATC  
AGGAGGACCCAGTGAGGGGATTTTCATCTGAGCCAGTCACTGCTGCCACCACCCAGACCCT  
GGAAGGGGACTCATCAGAAGTGGGAGACCAGATCAACAGCAAGAGAGCTAAGCAGATGGC  
AGAGAAAAGCCCTCCAGAAGCATCTGCCAAAGCCAGCCAATTAAGGAGCCAGAAGAGC  
TCCGGATTTCTCATCGGAATTTGGGAAGGTGACTCGAATGTGTTTTGCTGTGTTCTCTG  
CTTTGCCCTGAGCTACATCCCCTTCTTGCTGCTCAACATTCTGGATGCCAGAGTCCAGGC  
TCCCCGGTGGTCCACATGCTTGTGCCAACTCACCTGGCTCAATGGTGCATCAACCC  
TGTGCTCTATGCAGCCATGAACCGCAATTCGCCAAGCATATGGCTCCATTTTAAAAAG  
AGGGCCCCGAGTTTCCATAGGCTCCATTAGAAGTGTGACCCTAGTACCAGAATTCAGG  
ACTGTCTCTCCAGGACCAAAAGTGGCCAGGTAATAGGAGAATAGGTGAAATAACACATGT  
GGGCATTTTCAACAATCTCTCCCAGCCTCCCAAATCAAGTCTCTCCATCACTTGATC  
AATGTTTCAGCCCTAGACTGCCCAAGGAGTATTATTAATTATTAATAAATGAATTCTGTG  
CTTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_020370
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).
<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_020370.1</a> , <a href="#">NP_065103.1</a>
<b>RefSeq Size:</b>	1546 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	53831
<b>UniProt ID:</b>	<a href="#">Q9NQ55</a>
<b>Cytogenetics:</b>	12q13.13
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to regulation of the immune system.[UniProtKB/Swiss-Prot Function]