

## Product datasheet for **SC126570**

### GPR55 (NM\_005683) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR55 (NM_005683) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR55
Synonyms:	LPIR1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126570 sequence for NM_005683 edited (data generated by NextGen Sequencing)

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ATGAGTCAGCAAAACACCAGTGGGGACTGCCTGTTTGACGGTGTCAACGAGCTGATGAAA
ACCCTACAGTTTGCAGTCCACATCCCCACCTTCGTCTGGGCTGCTCCTCAACCTGCTG
GCCATCCATGGCTTCAGCACCTTCTTAAGAACAGGTGGCCCGATTATGCTGCCACCTCC
ATCTACATGATCAACCTGGCAGTCTTTGACCTGCTGCTGGTGCTCTCCCTCCCATTCAAG
ATGGTCTGTCCCAGGTACAGTCCCCCTTCCCGTCCCTGTGCACCCTGGTGGAGTGCCTT
TACTTCGTGAGCATGTACGGAAGCGTCTTACCATCTGCTTCATCAGCATGGACCGGTTT
TTGGCCATCTGTTACCCGCTACTGGTGAGCCACCTCCGGTCCCCAGGAAGATCTTTGGG
ATCTGCTGCACCATCTGGGTCCTGGTGTGGACCGAAGCATCCCTATCTACAGTTTCCAT
GGGAAAGTGGAAAATACATGTGCTTCCACAACATGTCTGATGATACCTGGAGCGCCAAG
GTCTTCTTCCCGCTGGAGGTGTTTGGCTTCTCCTTCCATGGGCATCATGGGCTTCTGC
TGCTCCAGGAGCATCCACATCCTGCTGGGCCGCCGAGACCACACCCAGGACTGGGTGCAG
CAGAAAGCCTGCATCTACAGCATCGCAGCCAGCCTGGCTGCTTTCGTGGTCTCCTTCTC
CCAGTCCACCTGGGGTCTTCTGCAAGTTCCTGGTGAGAAACAGCTTTATCGTAGAGTGC
AGAGCCAAGCAGAGCATCAGCTTCTTCTGCAATTGTCCATGTGTTTCTCCAACGTCAAC
TGCTGCCTGGATGTTTTCTGCTACTACTTTGTTCATCAAAGAATCCGCATGAACATCAGG
GCCCACCGGCTTCCAGGTCCAGCTGGTCTGCAGGACACCACGATCTCCCGGGGCTAA

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Clone variation with respect to NM\_005683.3  
370 c=>t



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005683 unedited  
 NGTGAAGTCGGATTTGTATACACTCACTATAGCGGCCGCAATCTANAGTCGAGTTTTTT  
 TTT  
 CCCAGGCCCAGCAGGTTCTATTTTTGTCAAAAAAAAAATGTGTGTTGGTAAAAAGAGAGT  
 GAAAAACCGATTCTGGAATGATTTCCCCAAAAAGTACCAGGGGTTGCCTCTGGGCCCCAG  
 GATAAAAGGTAATTTTTCTTTTCGGGGTCTAGTTGGGATTCAAGGGGCATAAATTGCTG  
 TGTGATCCTGGGGAGGTGTTTGTGATTCTTGACAAAAGTCTTTTGAACCCCTCCCTTCAAA  
 AAAGTGAAAGGGCCCCCTCTGATCTGTTGGGGTGTAGGAAAAACATGATTCACCAAA  
 ACCCCCGTGGGGACTGCCTGTTTACGCGGGTCAACAACCTGATGAAAACCTACAGTTTG  
 GAGTCCAAATCCCCCCTTTGTCCGGGGCTGCTCCTAAACCTGGTGGCCATCCAGGGTT  
 TCAGCCCCCTTCTTAAAAACAGGGGGCCGATTATGCTGCCCCCTCCATCTACATGATCA  
 ACCTGGCAGTCTTTGACCGGGGGCGGGGCTCCCCCCCCATTCAAAGGGCCCTGTCCC  
 AGGTACAGTCCCCCTCCCGTCCCGGGGCACCCTGGGGGAGGGCCTTTACTTCGTCAGCA  
 TGTACGGAAGCGTCTTCCCCTCTGTTAATCAGCATGGACCGGTTCTTGGCCATCTGTT  
 ACCCGCTACTGGTGAACACCTCCGGTCCCCAGGAAGATCTTTGGGATCCGCTGCACCT  
 CCGGGTCTGTGGTGGACCGGAACCTCCCTTCAACGTTTA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005683 unedited  
 AGNAAAGCACTGGGNAGGGTACAGGGCATGCCACCCATCCGTTACCAGTAATTCAGGC  
 CAGGGCTTTCTTCCCCTGAACAGGATGTCCTTCCGTTAGCCCCGGGAGATCGTGGTGTCC  
 TGCAGGACCAGCTGGACCCTGGAAGGCCGGTGGGCCCTGATGTTTCATGCGGAATCTTTG  
 ATGACAAAAGTAGTAGCAGAAAACATCCAGGCAGCAGTTGACGTTGGAGAAACACATGGAC  
 AATTGCAAGAAGAAGCTGATGCTCTGCTTGGCTCTGCACTCTACGATAAAGCTGTTTCTC  
 ACCAGGAAGTGCAGGAAGAACCAGGTTGACTGGGAGGAAGGAGACCACGAAGACAGCC  
 AGGCTGGCTGCGATGCTGTAGATGCAGGCTTTCTGCTGCACCCAGTCTGGGTGTGGTCT  
 CGGCGGCCAGCAGGATGTGGATGCTCCTGGAGCAGCAGAAGCCCATGATGCCCATGGGA  
 AGGAGGAAGCCAAACACCTCCAGCGGAAGAAGACCTTGGCGCTCCAGGTATCATCAGAC  
 ATGTTGTGGAAGCACATGATTTTTCCACTTTCCCATGGAACCTGATAGGGATGCTT  
 CCGGTCCACACCAGGACCAGATGGTGCAGCAGATCCCAAAGATCTTCTGGGGACCGG  
 AGGTGGCTCACCAGTAGCGGGTAACAGATGGCCAAGAACCAGTCCATGCTGATGAAGCAG  
 ATGGTGAAGACGCTTCCGTACATGCTGACGAAGTANAGGCACTCCACCAGGGTGCACAGG  
 GACGGGAAGGGGACTGTACCTGGGACAGGACCATCTTTGATGGGAGGGAGACACCAGC  
 AGCAGGTCAAAGACTGCCAGTTGATCATGTAGATG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_005683

**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).

<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_005683.2</a> , <a href="#">NP_005674.2</a>
<b>RefSeq Size:</b>	2629 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	9290
<b>UniProt ID:</b>	<a href="#">Q9Y2T6</a>
<b>Cytogenetics:</b>	2q37.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	This gene belongs to the G-protein-coupled receptor superfamily. The encoded integral membrane protein is a likely cannabinoid receptor. It may be involved in several physiological and pathological processes by activating a variety of signal transduction pathways. [provided by RefSeq, Aug 2013]