

## Product datasheet for **SC123076**

### GPR91 (SUCNR1) (NM\_033050) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR91 (SUCNR1) (NM_033050) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR91
Synonyms:	GPR91
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_033050 edited  
 AGCTATATCCAGCTGCTGGCAGAGTTCCTGTCAAGGGATCAAGTCTTCCAACAGAATGGT  
 TATGGTTTAACTCAGCAGAATTTGTTGAACAACACTACGACATGCTGGGGATCATGGCATGG  
 AATGCAACTTGCAAAAAGTGGCTGGCAGCAGAGGCTGCCCTGGAAAAGTACTACCTTTCC  
 ATTTTTATGGGATTGAGTTCGTTGTGGGAGTCCTTGGAAATACCATTGTTGTTACGGC  
 TACATCTTCTCTGAAGAACTGGAACAGCAGTAATATTTATCTCTTTAACCTCTCTGTC  
 TCTGACTTAGCTTTTCTGTGCACCCTCCCCATGCTGATAAGGAGTTATGCCAATGGAAAC  
 TGGATATATGGAGACGTGCTCTGCATAAGCAACCGATATGTGCTTCATGCCAACCTCTAT  
 ACCAGCATTCTTTCTCACTTTTATCAGCATAGATCGATACTTGATAATTAAGTATCCT  
 TTCCGAGAACACCTTCTGCAAAAAGAAAGAGTTTGTATTTAATCTCCTTGGCCATTTGG  
 GTTTTAGTAACCTTAGAGTTACTACCCATACTTCCCCTTATAAATCCTGTTATAACTGAC  
 AATGGCACCACTGTAATGATTTTGCAAGTTCTGGAGACCCCACTACAACCTCATTTAC  
 AGCATGTGTCTAACACTGTTGGGGTTCCTTATTCTCTTTTTGTGATGTGTTCTTTTAT  
 TACAAGATTGCTCTTCTTCTAAAGCAGAGGAATAGGCAGGTTGCTACTGCTCTGCCCTT  
 GAAAAGCCTCTCAACTTGGTTCATCATGGCAGTGGTAATCTTCTCTGTGCTTTTTACACC  
 TATCACGTGATGCGGAATGTGAGGATCGCTTACGCCTGGGGAGTTGGAAGCAGTATCAG  
 TGCACCTCAGGTCGTCATCAACTCCTTTTACATTGTGACACGGCCTTTGGCCTTTCTGAAC  
 AGTGTGATCAACCCTGTCTTCTATTTTCTTTGGGAGATCACTTCAGGGACATGCTGATG  
 AATCAACTGAGACACAACCTTCAAATCCCTTACATCCTTTAGCAGATGGGCTCATGAATC  
 TACTTTTCAATTCAGAGAAAAGTGAGGGCTTGTGAAACAGATTGTTCTACAGATGAATCT  
 GTAAGCCAGTTACAGTTTGTCTTAACTCATAGACATCAATCAGAGAGTGTACAGATTTA  
 ACCTTGATCTAAAGACAAGTTGTACCCAGAGTATGTGAAAAGAATGGGACGACAAGAATG  
 TACTGGTTTCTTCTCTAAGAATTGAAAGGAGTTGAACTGCCTTATGTTTGGGCATGTAA  
 CTCCAAAATACTAGGTAGTATAAGGCTTTCTCAATCAGTGCAAAAATGGAAGATATATAA  
 AGCAACAAGTTGCTGCATTTGATCACTGGTCAGATTGCAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_033050 unedited TTTTGCCCNNGTTCAAAATTTGTNATACGACTCATATAGGCGGCCGNAATTCCTACGA CATGCTGGGGTTCATGGCATGGCATGCAACTTGCAAAAAGTGGCTGGCAGCAGAGGCTGC CCTGGAAAAGTACTACCTTTCCATTTTTATGGGATTGAGTTCGTTGTGGCGAGTCCTTG GGAAATACCATTGTTGTTACGGCTACATCTTCTCTGAAGAACTGGAACAGCAGTAAT ATTTATCTCTTTAACCTCTGTCTCTGACTTAGCTTTTCTGTGCACCCTCCCATGCTG ATAAGGAGTTATGCCAATGGAACTGGATATATGGAGACGTGCTCTGCATAAGCAACCGA TATGTGCTTCATGCCAACCTCTATACCAGCATTCTTTTCTCACTTTTATCAGCATAGAT CGATACTTGATAATTAAGTATCCTTTCCGAGAACACCTTCTGCAAAAAGAAAGAGTTTGCT ATTTTAATCTCCTTGCCATTTGGGTTTTAGTAACCTTAGAGTTACTACCCATACTTCCC CTTATAAATCCTGTTATAACTGACAATGGCACCACCTGTAATGATTTTGAAGTTCTGGA GACCCCAACTACAACCTCATTTACAGCATGTGTCTAACACTGTTGGGGTTCCTTATTCT CTTTTTGTGATGTGTTTCTTTTATTACAAGATTGCTCTTCTTAAAGCAGAGGAATAGG CAGGTTGCTACTGCTCTGCCCTTGAAAAGCCTCTCAACTGGTCATCATGGCAGTGGA ATCTTCTGTGCTTTTTACACCCTATCACGTCATGCGGAATGTGGAGGATCGCTTCACG CCTGGGGAGTTGGGAGCAGTATCAGTGCCTCAGGTCGTCAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033050
<b>Insert Size:</b>	1500 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).
<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_033050.2</a> , <a href="#">NP_149039.2</a>
<b>RefSeq Size:</b>	1449 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	56670
<b>UniProt ID:</b>	<a href="#">Q9BXA5</a>
<b>Cytogenetics:</b>	3q25.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

This gene encodes a G-protein-coupled receptor for succinate, an intermediate molecule of the citric acid cycle. It is involved in the promotion of hematopoietic progenitor cell development, and it has a potential role in renovascular hypertension which has known correlations to renal failure, diabetes and atherosclerosis. [provided by RefSeq, Oct 2009]