

Product datasheet for **SC113278**

GPR27 (NM_018971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR27 (NM_018971) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR27
Synonyms:	SREB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018971, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAACGCGAGCGAGCCGGGTGGCAGCGGGCGGGCGAGGCGCCGCCCTGGGCCTCAAGCTGGCCA  
CGCTCAGCCTGCTGCTGTGCGTGAGCCTAGCGGGCAACGTGCTGTTGCGCTGCTGATCGTGCGGGAGCG  
CAGCCTGCACCGCGCCCCGTAACCTGCTGCTCGACCTGTGCCTGGCCGACGGGCTGCGCGCGCTCGC  
TGCCTCCCGCCGTCATGCTGGCGGCGGGCGTGCGGCGCCGCGGGGGCGCCCGGGGCGCGCTGG  
GCTGCAAGCTGCTCGCCTTCTGGCCGCGCTTCTGCTTCCACGCCCTTCTGCTGCTGGGCGTGGG  
CGTCACCCGCTACCTGGCCATCGCGCACCAACCGCTTCTATGCAGAGCGCCTGGCCGGCTGGCCGTGCGCC  
GCCATGCTGGTGTGCGCCGCTGGGCGTGGCGTGGCCGCGGCCTCCCGCCAGTGTGGACGGCGGTG  
GCGACGACGAGGACGCGCGTGCGCCCTGGAGCAGCGGCCGACGCGCCCCGCGCGCTGGGCTTCT  
GCTGCTGCTGGCCGTTGGTGGTGGGCGCCACGCACCTCGTCTACCTCCGCCTGCTCTTCTCATCCACGAC  
CGCCGCAAGATGCGGCCCGCGCGCTGGTGCCCGCTCAGCCACGACTGGACCTTCCACGGCCCCGGCG  
CCACCGGCCAGGCGGCCGCAACTGGACGGCGGGCTTCGGCCGCGGGCCACGCCCGCCGCGCTTGTGGG  
CATCCGGCCCGCAGGGCCGGGCGCGCGCCGCGCCCTCCTCGTGTGGAAGAATTCAAGACGGAGAAG  
AGGCTGTGCAAGATGTTCTACGCCGTACGCTGCTTCTGCTCCTCTGGGGCCCTACGTCGTGGCCA  
GCTACCTGCGGGTCTGGTGGGCGCGCGCTCCCCAGGCCCTACCTGACGGCCTCCGTGTGGCTGAC  
CTTCGCGCAGGCCGGCATCAACCCGTCGTGTGCTTCTTCAACAGGGAGCTGAGGGACTGCTTCAGG  
GCCAGTTCCCCTGCTGCCAGAGCCCCGACCACCCAGGCGACCCATCCCTGCGACCTGAAAGGCATTG  
GTTTATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018971 unedited</p> <pre>CAGTTCAGAATTGTATACGACTCACTATAGGCGGCCTGCGAATTCGCACGAGGCTCGCCC AGGCCGGCGGAGCGGGAGCTCGGGCCGGGCGCCTGCGGGAGCGGCGAGGCAGGGAGA CGGCTCCCGGGGCTGGAGCGCACGGCCTGGTGAGGCCGATGGCGAACGCGAGCGAGCC GGGTGGCAGCGGGCGGGCGAGGCGGCCCTGGGCTCAAGCTGGCCACGCTCAGCCT GCTGCTGTGCGTGAGCCTAGCGGGCAACGTGCTGTTTCGCGCTGCTGATCGTGCGGGAGCG CAGCCTGCACCGGCCCGTACTACCTGCTGCTGACCTGTGCCTGGCCGACGGGTGCG CGCCTCGCCTGCCTCCCGGCCGTCATGCTGGCGCGCGGCGTGCGGCGGCCGCGCGGN NGGCGCCGCCGGGCGCGCTGGGCTGCAAGCTGCTCGCCTTCTGGCCGCGCTCTTCTGCT TCCACGCCGCTTCTGCTGCTGGGCGTGGGCGTACCCGCTACCTGGCCATCGCGCACC ACCGCTTCTATGCAGAGCGCCTGGCCGGCTGGCCGTGCGCCGCCATGCTGGTGTGCGCCG CCTGGGCGCTGGCGCTGGCCGGCCTTCCCGCCAGTGTGGACGGCGGTGGCGACTACT AGGACGCGCCGTGCGCCTGGAGCAGCGGCCGACGGGCGCCCTGCGCGCTGGGCTTC CTGCTGCTGCTGGCCGTGGTGGGTTGGGCGCCACGCACCTNGTNTACCTCCGGCTGCTCTT CTTCACCACGACCGNCGCAGGAGCGGCCGCGCGCCTGGTGCCGNCGTACGCCACGATGG CCTTCCGGGCGCTGGCGCCACCGGTCAAGCGGCCGCACTGGACGGGGGTTTTGGCCCCG GCTCACGCC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018971 unedited</p> <pre>NNTTTTTGCTCTGGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT TCAGAATAAAAAACTGGTATATTTGTATAATGCAAAGAGAATACAGATATAAATCCTCA AAACGGAAGGTACATTAATAAAAAATGTAGCATTATAAGCCAAAAATATTATAGTACTT GCAGAATTTAGTCTTTCAGTTTAAACATTATAATGTCTAACAAAGAAATATTATTTAAATT ATAGTTCTCATTATTAATTTAAACAACCATCAGTAGAACAGCACAGCTTAACCTAGCAA ACATTTTAAGGAAATGCTTTGTTTCTAGAAAGGAGGATATCATTATATCCATTCATTTA TACCATAAAACAAGAGAACAATTTTCAAAGTGGAAATAGTTTCATAAGACAGAATAA AACTGGGCTTCTCAAAGCACAAGCCATTTCCATAAAATTAATTTTTTATTGGCAAAAAAT ACTTAAACAATTTTGATGTAGTACTCTGCTTCTCAGAGCCCTCCCAATCCTCGAACCAC AATCTATACACACGAACACATGCAATACTGTATTTTTCTCCACATCATTACTAACCAAAA CACTTTACTCTTTTAAACTTACAACCTTGACAGAAATGTTTCCATTCAAGATTGCTATAA TACAGAGAGCAGTTGTCACTGACGTGGTTTTTAGCAGCAGAAAGTAAACCGGNAACCAAA TNCTACTTNGTACTTACTGCTTTAAAAAATGACTGCCTTGCTACTGATCTCCATCTCTGC TCTTTAAGTCATATCACACTGAGACTTTCAAGAACAGCGCAGACAAGGCACCTGCAGCCG GCATTTAAAGGGCATTTCGACAACCTTCCCCACCCCACTTTTCTGCTTNCACAAGAG ATCTCAGAAATA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018971
Insert Size:	2040 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_018971.1 , NP_061844.1
RefSeq Size:	1128 bp
RefSeq ORF:	1128 bp
Locus ID:	2850
UniProt ID:	Q9NS67
Cytogenetics:	3p13
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	GPR27 is a member of the G protein-coupled receptors (GPCRs), a large family of receptors that have a similar structure characterized by 7 transmembrane domains. Activation of GPCRs by extracellular stimuli such as neurotransmitters, hormones, or light induces an intracellular signaling cascade mediated by heterotrimeric GTP-binding proteins, or G proteins.[supplied by OMIM, May 2010]