

Product datasheet for SC127481

GPR85 (NM_018970) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR85 (NM_018970) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR85
Synonyms:	SREB; SREB2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127481 sequence for NM_018970 edited (data generated by NextGen Sequencing)

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ATGGCGAACTATAGCCATGCAGCTGACAACATTTTGCAAATCTCTCGCCTCTAACAGCC
TTTCTGAAACTGACTTCCTTGGGTTTCATAATAGGAGTCAGCGTGGTGGGCAACCTCCTG
ATCTCCATTTTGCTAGTAAAGATAAGACCTTGCATAGAGCACCTTACTACTTCCTGTTG
GATCTTTGCTGTTGATATCCTCAGATCTGCAATTTGTTTCCATTTGTGTTCAACTCT
GTCAAATGGCTCTACCTGGACTTATGGGACTCTGACTTGCAAAGTATTGCCTTTCTG
GGGTTTTGCTCTGTTCCACACTGCTTTCATGCTCTTCTGCATCAGTGTACCAGATAC
TTAGCTATCGCCATCACCGCTTCTATAAAGAGGCTGACCTTTTGACGTGTCTGGCT
GTGATCTGTATGGTGTGGACTCTGTCTGTGGCCATGGCATTTCCTCCGGTTTTAGACGTG
GGCACTTACTCATTATTAGGGAGGAAGATCAATGCACCTTCCAACACCGCTCCTTCAGG
GCTAATGATTCCTTAGGATTTATGCTGCTTCTTCTCCTCCTAGCCACACAGCTT
GTCTACCTCAAGCTGATATTTTTCGTCCACGATCGAAGAAAAATGAAGCCAGTCCAGTTT
GTAGCAGCAGTCAGCCAGAACTGGACTTTTCATGGTCTTGGAGCCAGTGGCCAGGCACT
GCCAATTTGGCTAGCAGGATTTGGAAGGGTCCCACACCACCCACCTTGTGGGCATCAGG
CAAAATGCAAACACCACAGGCAGAAGAAGGCTATTGGTCTTAGACGAGTTCAAAATGGAG
AAAAGAATCAGCAGAATGTTCTATATAATGACTTTTCTGTTTCTAACCTTGTGGGGCCCC
TACCTGGTGGCCTGTTATTGGAGAGTTTTTGCAAGAGGGCCTGTAGTACCAGGGGATTT
CTAACAGCTGCTGTGGATGAGTTTTGCCCCAAGCAGGAATCAATCCTTTTGTCTGCATT
TTCTCAAACAGGGAGCTGAGGCGCTGTTTCAGCACAACCCTTCTTACTGCAGAAAATCC
AGGTTACCAAGGGAACCTTACTGTGTTATATGA

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Clone variation with respect to NM_018970.6
252 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018970 unedited</p> <pre> TTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTTACTGAGAGCTCC ATTTCTGGAAAGCCTTACAAGACTGAGGAATATCAGACTGCGAATCACCGGGAACGGTTC CTTTGCAGCACAGAAGCAATCTCTCTCCCATCTTCGCATATTCTGATGGCAAAACAAGT GGAAGAAAAGAGGAAGCATGACTGCAGATCAGATCAGTTCTCTTTGTGGATTATATTTTC AGTAAAAATGTATGGATCTATCTTTTCTTGTCTTATATCTAGATCATGAGACTTGACTG AGGCTGTATCCTTATCCTCCATCCATCTATGGCGAACTATAGCCATGCAGCTGACAACAT TTTGCAAAATCTCTCGCCTCTAACAGCCTTTCTGAAACTGACTTCTTGGGTTTCATAAT AGGAGTCAGCGTGGTGGCAACCTCCTGATCTCCATTTTGCTAGTGAAAGATAAGACCTT GCATAGAGCACCTTACTACTTCTGTTGGATCTTTGCTGTTCCAGATATCCTCAGATCTGC AATTTGTTTCCATTTGTGTTCAACTCTGTCAAAAATGGCTCTACCTGNACTTATGGGAC TCTGACTTGCAAAGTGATTGCCTTTCTGGNGGTTTTGCCTGTTCCACACTGCTTTCAT GCTCTTCTGCATCAGTGTACCAGATACTAGCTATCGCCATCACCGCTTCTATACAAG AGGCTGACCTTNTGGACGTGTCTGGCTGTGATCTGTATGGTGGACTCTGTCTGTGGCC ATGGCATTTCGCCGTTTTAGACGTGGCACTTACTCATTATAGGNANGAAAGATCATGC ACCTTNCACACCGNTNCCTTAGGGCTAATGATCCCTAAGATNATGCTGCTNCTGGCC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018970 unedited</p> <pre> TTATGGACCCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTCATTGAAACA TTTTATTGATTTATTTTCTTATTTATAGGGATATTCTCTTTACAGAAGTACTATAGCAA TATGGAATTCTGTGTTATTAGATTCCTAATCTTAATTATCAAATACCAAAAAAAAAATAAA CTTCACAAAAACCAACCAATAAACAACAACAGAAAGCAAACAAAAATAATAACTTTTT CTAGTTTTGTCAATGTTAGTGTAAACCATTCTTCTTACAAGTTGTATATTTAGAACCC CAAATTTCTATGTACTATGCTCCAAATTAAGTGTGATGTTTATATTAATTAATTCTGAGC CAATTAACTAAGCAGGTACACATCTCTAAATACTACTGGCATTAAAGAATAATAGAGGGA TGATTATAATAAACTACCAATAATGCTTTTACAGATAATATTATGTCAGTTTATCAGCA TTATGTTGATTATCATTACATATTTCCAGTCTGGAATATAGTAGCTACAAGAATCAAAA AGCAAAACCATAATAAAGCTAGTCTTCTAGTTTGTGCTTGCCTCCCAATAAAAAAACG TTGATATGTGCCAAAAATGTAACCTTATTTCAAGAAATTAACCAGCTACACCGGTAAT TTTGCAAAATGCCACTTTATTTGAAGTCACAATCTGTATCTAAAGATGAGACTACAGACT TTAATGTATTTTTAAATACCAGAACTCATATTTAAGCTTTCCAAGTTTAACTGAATTAT TTAAATTAACCATCCCCTGAATGGCAGAAAGTTAAACAGACTGGGCCCTTCAAAAATAAA TGTTTACAAATGGGGAGGAGGCCTACTAAGGTGGGGTCCCTTGACGCTGACCTAAAAT AAAAAAAACAACCTGGCCGTTTTAAAATGTAAGGGGGCACCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018970
Insert Size:	3780 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_018970.3 , NP_061843.2
RefSeq Size:	4919 bp
RefSeq ORF:	1113 bp
Locus ID:	54329
UniProt ID:	P60893
Cytogenetics:	7q31.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>Members of the G protein-coupled receptor (GPCR) family, such as GPR85, 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 (Matsumoto et al., 2000 [PubMed 10833454]).[supplied by OMIM, Aug 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All variants (1-4) encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>