

## Product datasheet for **SC327484**

### GPR85 (NM\_001146265) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | GPR85 (NM_001146265) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | GPR85  |
| Synonyms:                 | SREB; SREB2  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC327484 representing NM_001146265.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGAACTATAGCCATGCAGCTGACAACATTTTGCAAATCTCTCGCCTTAACAGCCTTTCTGAAA
CTGACTTCCTTGGGTTTCATAATAGGAGTCAGCGTGGTGGCAACCTCCTGATCTCCATTTTGCTAGTG
AAAGATAAGACCTTGCATAGAGCACCTTACTACTTCTGTTGGATCTTTGCTGTTAGATATCCTCAGA
TCTGCAATTTGTTCCCATTTGTGTTCAACTCTGTCAAAAATGGTTCTACCTGGACTTATGGGACTCG
ACTTGCAAAGTATTGCCTTTCTGGGGTTTTGCCTGTTCCCACTGCTTTCATGCTCTTCTGCATC
AGTGTCACCAGATACTTAGCTATCGCCATCACCGCTTCTATACAAAGAGGCTGACCTTTTGGACGTGT
CTGGCTGTGATCTGTATGGTGTGGACTCTGTCTGTGGCCATGGCATTTCCTCCGGTTTTAGACGTGGGC
ACTTACTCATTATTAGGGAGGAAGATCAATGCACCTTCCAACACCGCTCCTTCAGGGCTAATGATTCC
TTAGGATTTATGCTGCTTCTTGCTCTATCCTCCTAGCCACACAGCTTGTCTACCTCAAGCTGATATTT
TTCGTCCACGATCGAAGAAAAATGAAGCCAGTCCAGTTTGTAGCAGCAGTCAGCCAGAATGGACTTTT
CATGGTCTGGAGCCAGTGGCCAGGCAGCTGCCAATTGGCTAGCAGGATTTGGAAGGGTCCCACACCA
CCCACCTTGCTGGGCATCAGGCAAAATGCAAACACCACAGGCAGAAGAAGGCTATTGGTCTTAGACGAG
TTCAAAAATGGAGAAAAGAATCAGCAGAATGTTCTATATAATGACTTTTCTGTTTCTAACCTTGTGGGGC
CCCTACCTGGTGGCTGTTATTGGAGAGTTTTTGCAAGAGGGCCTGTAGTACCAGGGGATTTCTAAC
GCTGTCTGGATGAGTTTTGCCCCAAGCAGGAATCAATCCTTTTGTCTGATTTTCTCAAACAGGGAG
CTGAGGCGCTGTTTCAGCACAACCTTCTTTACTGCAGAAAATCCAGGTTACCAAGGGAACCTTACTGT
GTTATATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001146265  |
| <b>Insert Size:</b>           | 1113 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>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_001146265.1</a>  |
| <b>RefSeq Size:</b>           | 4951 bp   |
| <b>RefSeq ORF:</b>            | 1113 bp   |
| <b>Locus ID:</b>              | 54329   |
| <b>UniProt ID:</b>            | <a href="#">P60893</a>  |
| <b>Cytogenetics:</b>          | 7q31.1  |
| <b>Protein Families:</b>      | Druggable Genome, GPCR, Transmembrane   |
| <b>MW:</b>                    | 42 kDa  |
| <b>Gene Summary:</b>          | <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 (1) represents the longest transcript. 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> |