

Product datasheet for **RG228850**

GPR85 (NM_001146266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR85 (NM_001146266) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR85
Synonyms:	SREB; SREB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228850 representing NM_001146266 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAACTATAGCCATGCAGCTGACAACATTTGCAAATCTCTCGCCTAACAGCCTTTCTGAAAC
TGACTTCCTGGGTTTCATAATAGGAGTCAGCGTGGTGGGCAACCTCCTGATCTCCATTTGCTAGTGAA
AGATAAGACCTTGCATAGAGCACCTTACTTCTCTGTTGGATCTTGTCTGTTGATATCCTCAGATCT
GCAATTTGTTCCATTTGTGTTCAACTCTGTCAAAAATGGCTCTACCTGGACTTATGGACTCTGACTT
GCAAAGTGATTGCCTTTCTGGGGTTTTGTCTGTTCCACTGCTTTCATGCTCTTCTGCATCAGTGT
CACCAGATACTTAGCTATCGCCATCACCCTTCTATACAAAGAGGCTGACCTTTTGGACGTGTCTGGCT
GTGATCTGTATGGTGTGGACTCTGTCTGTGGCCATGGCATTTCCTCCCGGTTTTAGACGTGGGCACTTACT
CATTTCATTAGGGAGGAAGATCAATGCGCCTTCCAACACCGCTCCTTCAGGGCTAATGATTCTTAGGATT
TATGCTGCTTCTTGTCTCATCTCCTAGCCACACAGCTTGTCTACCTCAAGCTGATATTTTCTGCCAC
GATCGAAGAAAAATGAAGCCAGTCCAGTTTGTAGCAGCAGTCAGCCAGAACTGGACTTTTCATGGTCTGT
GAGCCAGTGGCCAGGCAGCTGCCAATTGGCTAGCAGGATTTGGAAGGGTCCCACACCACCCACCTTGCT
GGGCATCAGGCAAAATGCAAACACCACAGGCAGAAGAAGGCTATTGGTCTTAGACGAGTTCAAAAATGGAG
AAAAGAATCAGCAGAATGTTCTATATAATGACTTTTCTGTTTCTAACCTTGTGGGCCCCACCTGGTGG
CCTGTTATTGGAGATTTTTGCAAGAGGGCTGTAGTACCAGGGGATTCTAACAGCTGTCTGTGGAT
GAGTTTTGCCAAGCAGGAATCAATCCTTTTGTCTGCATTTTCTCAAACAGGGAGCTGAGGCGCTGTTTC
AGCACACCCTTCTTACTGCAGAAAATCCAGGTTACCAAGGAACTTACTGTGTATA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228850 representing NM_001146266
Red=Cloning site Green=Tags(s)

MANYSHAADNILQNL SPLTAFLKLTSLGFIIGVSVVGNLLISILLVKDKTLHRAPYYFLDLCCSDILRS
 AICFPFVFN SVKNGSTWYGTLTCKVIAFLGVLSCFHAFMLFCISVTRYLAIAHHRFYTKRLTFWTCLA
 VICMVWTL SVAMAFPPVLDVGTYSFIREEDQCAFQHRSF RANDSLGFMLLLALILLATQLVYLKLIFFVH
 DRRKMKPVQFVA AVSQNWTFHGPGASGQAAANWLAGFGRGPTPPTLLGIRQANANTGRRRLVLDEFKME
 KRISRMFYIMTFLFLTLWGPYLVACYWRV FARGPVVPGGFLTA AVWMSFAQAGINPFVCIFSNRELRRFC
 STLLLYCRKSRLPREPYCVI

TRTRPLE - GFP Tag - V

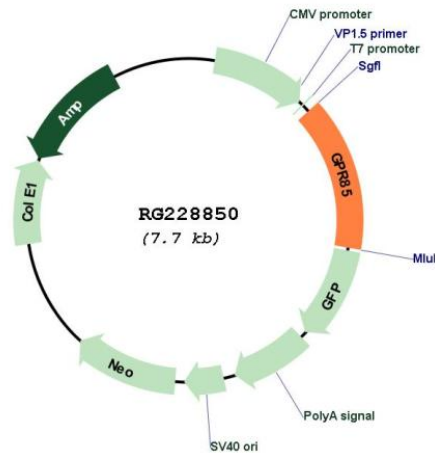
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001146266

ORF Size:	1110 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001146266.1 , NP_001139738.1
RefSeq Size:	4841 bp
RefSeq ORF:	1113 bp
Locus ID:	54329
UniProt ID:	P60893
Cytogenetics:	7q31.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	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]