

Product datasheet for **RG203622**

SREB3 (GPR173) (NM_018969) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SREB3 (GPR173) (NM_018969) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SREB3
Synonyms:	SREB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203622 representing NM_018969 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACACTACCGGAGAGCCTGAGGAGGTGAGCGGCGCTCTGTCCCAACGTCGGCATCAGCTTATG
TGAAGCTGGTACTGCTAGGACTGATTATGTGCGTGAGCCTGGCGGGTAACGCCATCTTGTCCCTGCTGGT
GCTCAAGGAGCGTGCCCTGCACAAGGCTCCTTACTACTTCTGCTGGACCTGTGCTGGCCGATGGCATA
CGCTCTGCCGTCTGCTTCCCTTTGTGCTGGCTTCTGTGCGCCACGGCTTTCATGGACCTTCAGTGCAC
TCAGCTGCAAGATTGTGGCCTTTATGGCCGTGCTCTTTGCTTCCATGCGGCCTTCATGCTGTTCTGCAT
CAGCGTACCCGCTACATGGCCATCGCCACCACCGCTTCTACGCCAAGCGCATGACACTCTGGACATGC
GCGGCTGTCTATGCTGGCCTGGACCCTGTCTGTGGCCATGGCCTTCCACCTGTCTTTGACGTGGGCA
CCTACAAGTTTATTCGGGAGGAGGACCAGTGCATCTTTGAGCATCGCTACTTCAAGGCCAATGACACGCT
GGGCTTCATGCTTATGTTGGCTGTGCTCATGGCAGCTACCCATGCTGTCTACGGCAAGCTGCTCCTCTTC
GAGTATCGTCACCGCAAGATGAAGCCAGTGCAGATGGTGCCAGCCATCAGCCAGAAGTGGACATTCCATG
GTCCCGGGGCCACCGCCAGGCTGCTGCCAAGTGGATCGCCGGCTTTGGCCGTGGGCCATGCCACCAAC
CCTGCTGGGTATCCGGCAGAATGGGCATGCAGCCAGCCGGCGGCTACTGGCATGGACGAGGTCAAGGGT
GAAAAGCAGCTGGGCCGATGTTCTACGGGATCACACTGCTCTTTCTGCTCCTCTGGTCAACCTACATCG
TGGCCTGCTACTGGCGAGTGTTTGTGAAAGCCTGTGCTGTGCCCCACCGCTACCTGGCCACTGCTGTTTG
GATGAGCTTCGCCAGGCTGCCGTCACCCAAATTGCTGCTTCCCTGCTCAACAAGGACCTCAAGAAGTGC
CTGAGGACTCATGCCCTGCTGGGGCACAGGAGTGCCCGGCTCCAGAGAACCCTACTGTGTATG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203622 representing NM_018969
 Red=Cloning site Green=Tags(s)

MANTTGEPEEVSGALSPPSASAYVKLVLLGLIMCVSLAGNAILSLLVLKERALHKAPYYFLDLCLADGI
 RSAVCFPFVLASVRHGSSWTFSSALSCKIVAFMAVLCFHAAMFLFCISVTRYMAIAHHRFYAKRMTLWTC
 AAVICMAWTLVAMAFPPVFDVGTYYKFIREDQCIFEHRYFKANDTLGFMLMLAVLMAATHAVYGKLLLF
 EYRHRKMKPVQMVPAISQNWTFHGPATGQAAANWIAGFGRGMPPTLLGIRQNGHAASRRLGMDEVKKG
 EKQLGRMFYAITLLFLLWSPYIVACYWRVFKACAVPHRYLATAVWMSFAQAAVNPVCFLLNKDLKCC
 LRTHAPCWGTGGAPAPREPYCVM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018969

ORF Size: 1119 bp

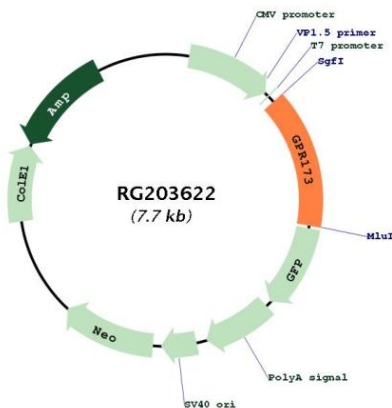
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_018969.3</u> , <u>NP_061842.1</u>
RefSeq Size:	1711 bp
RefSeq ORF:	1122 bp
Locus ID:	54328
UniProt ID:	<u>Q9NS66</u>
Cytogenetics:	Xp11.22
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes a member of the G-protein coupled receptor 1 family. This protein contains 7 transmembrane domains and conserved cysteine residues. [provided by RefSeq, Nov 2009]

Product images:



Circular map for RG203622