

Product datasheet for **MG225813**

Sstr2 (NM_009217) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr2 (NM_009217) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sstr2
Synonyms:	Smstr-2; Smstr2; SRIF-1; SS2R; sst2; SSTR-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225813 representing NM_009217 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGAGCTCTGAGCAGTTGAATGGGAGCCAAGTGTGGGTGTCCTCTCCATTTGACCTCAACGGCT
CACTGGGGCCAAGCAATGGCTCCAACCAGACCGAGCCATACTACGACATGACAAGCAACGCCGCTCCTCAC
GTTTCATCTACTTCGTGGTGTGTGTGTGTCGGGCTGTGCGGCAACACGCTGGTCATTTATGTCATCCTCCGC
TATGCCAAGATGAAGACCATACCAACATCTACATCCTTAACCTGGCCATTGCAGATGAAGTCTTTCATGC
TAGGGCTGCCCTTCTTGCCATGCAGGTGGCGCTAGTCCACTGGCCTTTTGGCAAGGCCATCTGCCGGGT
GGTCATGACTGTAGATGGCATCAATCAGTTCACCAAGTATCTTCTGCTTGACGGTCATGAGCATCGACCGC
TACCTGGCCGTGGTGCACCCCATTAAGTCAGCCAAATGGAGGCGACCCCGGACAGCCAAGATGATCAATG
TAGCTGTGTGGTGTGTGTCTCTGCTCGTCATTTTGCCCATCATGATATACGCCGGCTCCGGAGCAACCA
GTGGGGCAGGAGCAGCTGTACCATCAACTGGCCAGGCGAATCCGGGGCGTGGTACACAGGTTTCATTATC
TACGCCTTCATCCTGGGGTTCCTGGTACCCCTTACCATCATTTGTCTCTGCTACCTGTTTCATCATCATCA
AGGTGAAGTCCTCTGGAATCCGAGTGGGATCATCAAGAGGAAAAAGTCAAGAAAAAGGTGACCCGCAT
GGTGTCCATCGTAGTGGCTGTCTTCATCTTCTGCTGGCTCCCCTTCTACATCTTCAACGTCTCTTCCGTG
TCTGTGGCCATCAGTCCCACCCAGCCCTGAAAGGCATGTTTGACTTTGTGGTGATCCTCACCTATGCCA
ACAGTGCGCCAACCCCATCCTGTACGCCTTCTGTCTGACAACCTCAAGAAGAGCTTCCAGAATGTTCT
TTGCTTGGTCAAGGCAGACAATTACAATCCGGAGCGGAAGACATCATTGCCTGGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225813 representing NM_009217
 Red=Cloning site Green=Tags(s)

MEMSSEQLNQSQVWVSSPFDLNGSLGPSNGSNQTEPYDMSNAVLTFIYFVVCVVLGCGNTLVIYVILR
 YAKMKTITNIIYLNLAIADFLMLGLPFLAMQVALVHWPFGKAI CRVVM TVDGINQFTSIFCLTVMSIDR
 YLAVVHPIKSAKWRRPRTAKMINVAVWCVSLLVILPIMIYAGLRNQWGRSSCTINWPGESGAWYTGFI
 YAFILGFLVPLTIIICLCYLFIIKVKSSGIRVGSKRKKSEKKVTRMVSIVVAVFIFCWLPFYIFNVSSV
 SVAISPTPALKGMFDFVVILTYANSCANPILYAF LSDNFKKS FQNVLC LVKADNSQSGAEDI IAWV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009217

ORF Size: 1038 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:

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_009217.5](#)

RefSeq Size: 1041 bp

RefSeq ORF: 1041 bp

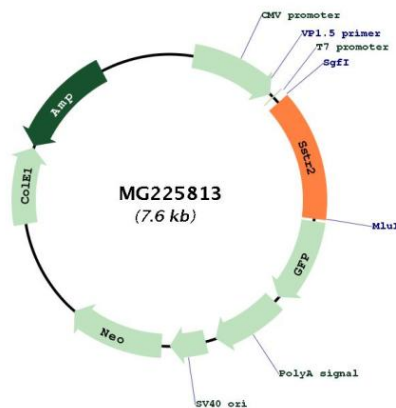
Locus ID: 20606

UniProt ID: [P30875](#)

Cytogenetics: 11 79.05 cM

Gene Summary: The protein encoded by this gene is a receptor for somatostatin, which acts at many sites to inhibit the release of several hormones and other secretory proteins. The encoded protein is a member of the superfamily of receptors having seven transmembrane segments and is involved in many processes, including adenylyl cyclase inhibition, phosphotyrosine phosphatase stimulation, and inhibition of calcium entry and cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MG225813