

## Product datasheet for **MR225097**

### **Sstr2 (NM\_001042606) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr2 (NM_001042606) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sstr2
Synonyms:	Smstr-2; Smstr2; SRIF-1; SS2R; sst2; SSTR-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225097 representing NM_001042606 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGAGATGAGCTCTGAGCAGTTGAATGGGAGCCAAGTGTGGGTGTCCTCTCCATTTGACCTCAACGGCT  
CACTGGGGCCAAGCAATGGCTCCAACAGACCGAGCCATACTACGACATGACAAGCAACGCCGTCTCAC  
GTTTCATCTACTTCGTGGTGTGTGTGTCGGGCTGTGCGGCAACACGCTGGTCATTTATGTCATCCTCCGC  
TATGCCAAGATGAAGACCATCACCAACATCTACATCCTTAACCTGGCCATTGCAGATGAAGTCTTCATGC  
TAGGGCTGCCCTTCTTGCCATGCAGGTGGCGTAGTCCACTGGCCTTTTGGCAAGGCCATCTGCCGGGT  
GGTCATGACTGTAGATGGCATCAATCAGTTCACCAAGTATCTTCTGCTTGACGGTCATGAGCATCGACCGC  
TACCTGGCCGTGGTGCACCCCATTAAGTCAGCCAAATGGAGGCGACCCCGGACAGCCAAGATGATCAATG  
TAGCTGTGTGGTGTGTGTCTCTGCTCGTCATTTTGCCCATCATGATATACGCCGGCCTCCGGAGCAACCA  
GTGGGGCAGGAGCAGCTGTACCATCAACTGGCCAGGCGAATCCGGGGCGTGGTACACAGGTTTCATTATC  
TACGCCTTCATCCTGGGGTTCCTGGTACCCCTTACCATCATTTGTCTCTGCTACCTGTTTCATCATCATCA  
AGGTGAAGTCTCTGGAATCCGAGTGGGATCATCAAGAGGAAAAAGTCAGAGAAAAAGGTGACCCGCAT  
GGTGTCCATCGTAGTGGCTGTCTTCATCTTCTGCTGGCTCCCCTTCTACATCTTCAACGTCTCTTCCGTG  
TCTGTGGCCATCAGTCCCACCCAGCCCTGAAAGGCATGTTTGACTTTGTGGTGATCCTCACCTATGCCA  
ACAGCTGCGCCAACCCCATCCTGTACGCCCTTCTGTCTGACAACTCAAGAAGAGCTTCCAGAATGTTCT  
TTGCTTGGTCAAGGTGAGTGGTACGGAGGATGGGAGAGGAGCGACAGTAAGCAGGACAAATCCCGGCTG  
AATGAGACCAGGAGACCGAGAGACCCTCCTCAATGGAGACCTCCAACCAAGTATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225097 representing NM\_001042606  
 Red=Cloning site Green=Tags(s)

MEMSSEQLNGSQVWSSPFDLNGSLGPSNGSNQTEPYDMTSNAVLTFIYFVVCVVLGCGNTLVIYVILR  
 YAKMKTITNIYILNLAIADLFMLGLPFLAMQVALVHWPFGKAICRVMTVDGINQFTSIFCLTVMSIDR  
 YLAVVHPIKSAKWRRPRTAKMINVAVWCVSLLVILPIMIYAGLRNQWGRSSCTINWPGESGAWYTGFI  
 YAFILGFLVPLTIICLCYLFIIKVKSSGIRVGSSKRKKSEKKVTRMVSIVVAVFIFCWLPFYIFNVSSV  
 SVAISPTPALKGMFDFVILTYANSCANPILYAF LSDNFKKS FQNVLC LVK VSGTEDGERSDSKQDKSRL  
 NETTETQRTLLNGDLQTSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9019\\_d03.zip](https://cdn.origene.com/chromatograms/mm9019_d03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001042606

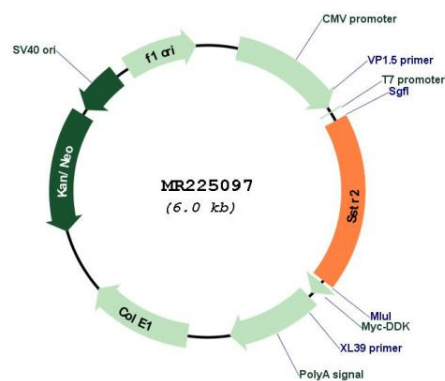
**ORF Size:** 1107 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001042606.3</a>
<b>RefSeq Size:</b>	1110 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	20606
<b>UniProt ID:</b>	<a href="#">P30875</a>
<b>Cytogenetics:</b>	11 79.05 cM
<b>MW:</b>	41.7 kDa
<b>Gene Summary:</b>	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 MR225097