

Product datasheet for **MG225931**

Sstr4 (NM_009219) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr4 (NM_009219) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sstr4
Synonyms:	Smstr4; sst4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225931 representing NM_009219 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCGCCAGCAACTCTGCCTCCGGGGTTCGAGGACACCACCTGGACCCCTGGGATCAACGCCAGCT
GGGCTCCGGACGAGGAGGAGGATGCGATGGGTCCGACGGCACAGGGACAGCGGGCATGGTCACTAT
CCAGTGCACTATGCGCTCGTGTGTCTGGTGGGCTGGTGGGAAACGCCCTGGTCATCTTCGTGATCCTA
CGCTATGCCAAGATGAAGACAGCCACCAACATCTACCTACTCAACCTGGCCGTCGCCGATGAGCTCTTCA
TGCTCAGCGTGCCATTCTGTGGCCTCGGGCGCTGCCCTGCGCCACTGGCCGTTTCGGGGCGGTCTGTGTCG
CGCAGTGCTTAGCGTGGACGGCCTGAACATGTTCACTAGTGTCTTCTGCCTCACCGTGCTCAGCGTGGAC
CGCTATGTGGCTGTTGTGCACCCTCTGCGCGCCGCCACCTACCGCGGCCAGCGTGGCCAAAGCTAATCA
ACCTGGGAGTGTGGCTAGCATCCTTGTGGTACCCTGCCCATCGCAGTCTTCGTGACACCAGGCCAGC
TCGTGGGGGCGAGGCCGTGGCTTGAACCTGCACTGGCCTCACCCGGCCTGGTCTGCGGTCTTTGTGATC
TATACTTTTTTGTGGGCTTCTACTCCCGTTCTGGCCATCGGATTATGCTACCTGCTTATTGTGGCA
AGATGCGCGCTGTGGCCTGCGGGCTGGCTGGCAACAACGAGGCGCTCAGAGAAGAAGTCACTAGGCT
CGTGCTAATGGTGGTACCCTCTTTGTGCTATGCTGGATGCCTTCTATGTGGTGCAGCTTCTGAACCTG
TTTGTCAACAGCCTCGATGCCACTGTCAACCATGTGTCCTCATCCTGAGCTATGCCAACAGCTGTGCCA
ATCCATTCTCTATGGTTCTCTCTGACAACCTCCGGCGCTTTCCAGCGGGTCTGTGCTGCGCTGCGCTG
CTGTCTCTGGAAACAACCTGGAGGTGCTGAGGAAGAGCCCTGGACTACTATGCCACTGCTCTCAAAGC
AGAGGGGTGCGAGGATGCATATGCCCTCTCTGCCCTGCCAGCAGGAGCCGTGCAAGCAGAACCTGGCT
GCAAGCAAGTCCCTTTACCAAGACCACTACTTTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225931 representing NM_009219
 Red=Cloning site Green=Tags(s)

MNAPATLPPGVEDTTWTPGINASWAPDEEEEDAMGSDGTGTAGMVTIQCIYALVCLVGLVGNALVIFVIL
 RYAKMKTATNIYLLNLAVADELFMLSVPFVASAAALRHWPFGAVLCRAVLSVDGLNMFTSVFCLTVLSVD
 RYVAVVHPLRAATYRRPSVAKLINLGVWLASLLVTLPIAVFADTRPARGGEAVACNLHWPHPAWSAVFVI
 YTFLLGLFLLPVLAIGLCYLLIVGKMRVAVALRAGWQQRSEKKITRLVLMVVTVFVLCWMPFYVYQLLNL
 FVTSLDATVNHVSLILSYANSCANPILYGFLSDNFRRSFQRVLCRCLETTGGAEELDYATALKS
 RGGAGCICPPLPCQEPVQAEPGCKQVPFTKTTTF

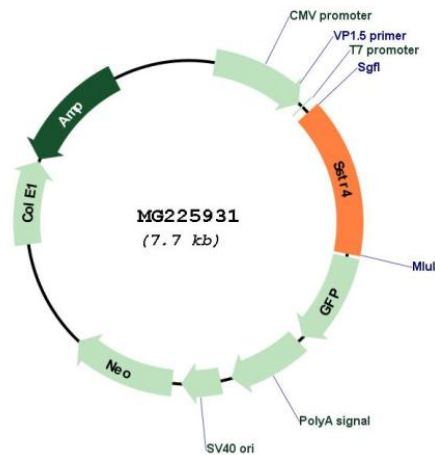
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009219

ORF Size:	1155 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_009219.3 , NP_033245.2
RefSeq Size:	1388 bp
RefSeq ORF:	1158 bp
Locus ID:	20608
UniProt ID:	P49660
Cytogenetics:	2 73.44 cM
Gene Summary:	Receptor for somatostatin-14. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase. It is functionally coupled not only to inhibition of adenylate cyclase, but also to activation of both arachidonate release and mitogen-activated protein (MAP) kinase cascade.[UniProtKB/Swiss-Prot Function]