

Product datasheet for **MG222390**

Sstr5 (NM_011425) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sstr5 (NM_011425) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sstr5
Synonyms: Smstr5; sst5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222390 representing NM_011425
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCTCTCTTTGGCTTCCACACCTAGCTGGAATGCCTCAGCTGCTTCCAGCGGTAGCCATAACT
GGTCACTAGTGGACCCGGTGTCACCCATGGGAGCCCGGGCGGTATTAGTGCCTGTGCTCTACTTGTGGT
ATGCACCGTGGGACTGGGTGAAACACACTGGTCATCTATGTGGTGTGCGGTATGCCAAGATGAAGACA
GTTACTAATGTGTACATCCTGAACCTGGCCGTGGCTGACGTGTTGTTTATGTTGGGGCTTCCTTCTCTGG
CAACGCAGAATGTGTCTCCTACTGGCCCTTTGGCTCCTTCTTGTGCCGCTGGTCATGACGCTGGACGG
TATCAACCAGTTCACCAGTATCTTCTGCCTGATGGTCATGAGTGTGACCGCTACCTGGCCGTGGTCCAC
CCTCTCCGCTCAGCCCGGTGGCTCGCCACGGGTAGCCAAGCTGGCTAGTGTGCTGCCGTCTGGGTCTTCT
CGCTGCTCATGTCTCTGCCGCTCTTGGTCTTTCGGGATGTCCAGGAAGGCTGGGGCACCTGCAACCTGAG
CTGGCCAGAGCCTGTGGGACTGTGGGTGCAGCCTTCACTTACACATCTGTGCTGGGCTTCTTTGGG
CCCCTGTGGTCATCTGCTTGTGCTATTTGCTCATCGTAGTGAAGGTGAAGGCTGCAGGTATGCGTGTGG
GCTCCTCACGGCGGAGGCGCTCAGAACGCAAGGTGACTCGCATGGTGGTGGTGTGGTGTGCTGGTGTTCGT
GGGCTGTGGCTGCCTTTCTTTCATCGTCAACATCGTCAACCTGGCCTTACGCTACCCGAGGAGCCACCC
TCTGCCGCCTCTACTTCTTGGTGGTCTGTCTTATGCCAATAGCTGTGCCAACCCTGCTCTATG
GCTTTCTCTGATAACTTCGCCAGAGTTTCCGGAAGGCTCTGTGCTACGTAGAGGATACGGTGTGGA
GGATGCAGATGCCATAGAGCCACGGCCAGACAAGAGTGGGCGGCCACAGACCACACTGCCACACGCAGC
TGTGAGGCCAACGGGCTCATGCAGACCAGCAGGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222390 representing NM_011425
 Red=Cloning site Green=Tags(s)

MEPLSLASTPSWNASAASSGSHNWSLVDPVSPMGARAVLVPVLYLLVCTVGLGGNTLVIYVVLRYAKMKT
 VTNVYILNLAVADVLFMLGLPFLATQNAVSYWPFSGFLCRLVMTLDGINQFTSIFCLMVMMSVDRYLAVVH
 PLRSARWRRPRVAKLASAAVWVFSLLMSLPLLVFADVQEGWGTCLNSWPEPVGLWGAAFITYTSLVGLGFFG
 PLLVICLCYLLIVVKVKAAGMRVGSRRRRSERKVTRMVVVVVLVFVGCWLPFFIVNIVNLAFTLPEEPT
 SAGLYFFVVVLSYANSCANPLL YGFLSDNFRQSF RKALCLRRGYGVEDADAIEPRPKSGRPQTTLPTRS
 CEANGLMQTSRL

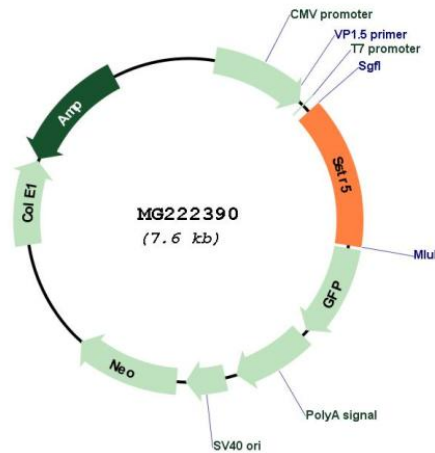
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011425

ORF Size:	1086 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_011425.3 , NP_035555.1
RefSeq Size:	2733 bp
RefSeq ORF:	1089 bp
Locus ID:	20609
UniProt ID:	O08858
Cytogenetics:	17 12.62 cM
Gene Summary:	Receptor for somatostatin-28. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase. Increases cell growth inhibition activity of SSTR2 following heterodimerization.[UniProtKB/Swiss-Prot Function]