

Product datasheet for **MG222389**

Sstr5 (NM_001191008) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr5 (NM_001191008) 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:	>MG222389 representing NM_001191008 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCTCTCTTTGGCTTCCACACCTAGCTGGAATGCCTCAGCTGCTTCCAGCGGTAGCCATAACT
GGTCACTAGTGGACCCGGTGTACCCATGGGAGCCCGGGCGGTATTAGTGCCTGTGCTCTACTTGTGGT
ATGCACCGTGGGACTGGGTGAAACACACTGGTCATCTATGTGGTGTGCGGTATGCCAAGATGAAGACA
GTTACTAATGTGTACATCCTGAACCTGGCCGTGGCTGACGTGTTGTTTATGTTGGGGCTTCCTTCTCTGG
CAACGCAGAATGTGTCTCCTACTGGCCCTTTGGCTCCTTCTTGTGCCGCTGGTCATGACGCTGGACGG
TATCAACCAGTTCACAGTATCTTCTGCCTGATGGTCATGAGTGTGACCGCTACCTGGCCGTGGTCCAC
CCTCTCCGCTCAGCCCGGTGGCTCGCCACGGGTAGCCAAGCTGGCTAGTGTGCTGCCGTCTGGGTCTTCT
CGCTGCTCATGTCTCTGCCGCTCTTGGTCTTGGCGGATGTCCAGGAAGGCTGGGGCACCTGCAACCTGAG
CTGGCCAGAGCCTGTGGGACTGTGGGTGCAGCCTTCACTTACACATCTGTGCTGGGCTTCTTTGGG
CCCCTGTGGTCATCTGCTTGTGCTATTTGCTCATCGTAGTGAAGGTGAAGGCTGCAGGTATGCGTGTGG
GCTCCTCACGGCGGAGGCGCTCAGAACGCAAGGTGACTCGCATGGTGGTGGTGTGGTGTGCTGGTGTTCGT
GGGCTGCTGGCTGCCTTTCTTTCATCGTCAACATCGTCAACCTGGCCTTACGCTACCCGAGGAGCCACCC
TCTGCCGCTCTACTTCTTGGTGGTCTGTCTTATGCCAATAGCTGTGCCAACCCTGCTCTATG
GCTTTCTCTGATAACTTCCGCCAGAGTTTCCGGAAGGCTCTGTGCTACGTAGAGGATACGGTGTGGA
GGATGCAGATGCCATAGAGCCACGGCCAGACAAGAGTGGGCGGCCACAGACCACACTGCCACACGCAGC
TGTGAGGCCAACGGGCTCATGCAGACCAGCAGGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222389 representing NM_001191008
 Red=Cloning site Green=Tags(s)

MEPLSLASTPSWNASAASSGSHNWSLVDPVSPMGARAVLVPVLYLLVCTVGLGGNTLVIYVVLRYAKMKT
 VTNVYILNLAVADVLFMLGLPFLATQNAVSYWPFSGFLCRLVMTLDGINQFTSIFCLMVMMSVDRYLAVVH
 PLRSARWRRPRVAKLASAAVWVFSLLMSLPLLVFADVQEGWGTCLNSWPEPVGLWGAAFITYTSLVGLGFFG
 PLLVICLCYLLIVVKVKAAGMRVGSRRRRSERKVTRMVVVVVVLFVFGCWLFFFIVNIVNLAFTLPEEPT
 SAGLYFFVYVLSYANSCANPLL YGFLSDNFRQSFRRKALCLRRGYGVEDADAIEPRPKSGRPQTTLPTRS
 CEANGLMQTSRL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001191008

ORF Size: 1086 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_001191008.1](#), [NP_001177937.1](#)

RefSeq Size: 2581 bp

RefSeq ORF: 1089 bp

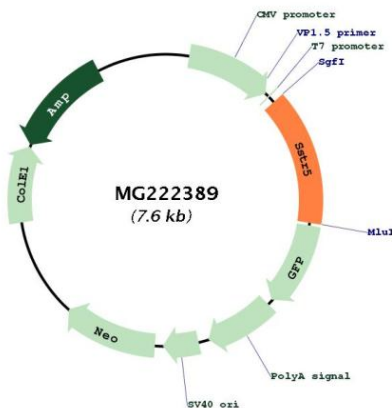
Locus ID: 20609

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]

Product images:



Circular map for MG222389