

## Product datasheet for MR222389

### Sstr5 (NM\_001191008) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Sstr5 (NM_001191008) Mouse Tagged ORF Clone                                    |
| Tag:                      | Myc-DDK  |
| Symbol:                   | Sstr5  |
| Synonyms:                 | Smstr5; sst5   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >MR222389 representing NM_001191008<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCCTCTCTTTGACTTCCACACCTAGCTGGAATGCCTCAGCTGCTTCCAGCAGTAGCCATAACT  
GGTCACTAGTGGACCCGGTGTACCCATGGGAGCCCGGGCGGTATTAGTGCCTGTGCTCTACTTGTGGT  
ATGCACCGTGGGACTGGGTGAAACACACTGGTCATCTATGTGGTGTGCGGTACGCCAAGATGAAGACA  
GTTACTAACGTGTATATCCTGAACCTGGCCGTGGCTGACGTGTTGTTTATGTTGGGGCTTCCTTCTCTGG  
CAACGCAGAATGTGTCTCCTACTGGCCCTTTGGCTCCTTCTTGTGCCGCTGGTCATGACGCTGGACGG  
CATCAACCAGTTCACCAGTATCTTCTGCCTGATGGTCATGAGTGTGACCGCTACCTGGCCGTGGTCCAC  
CCTCTCCGCTCAGCCCGGTGGCTCGCCACGGGTAGCCAAGCTGGCTAGTGTGCTGCCGTCTGGGTCTTCT  
CGCTGCTCATGTCTCTGCCGCTCTTGGTCTTTCGGGATGTCCAGGAGGGCTGGGGCACCTGCAACCTGAG  
CTGGCCAGAGCCTGTGGGACTGTGGGTGCAGCCTTCACTTACACGTCTGTGCTGGGCTTCTTTGGG  
CCCCTGCTGGTCATCTGCTTGTGCTATTTGCTCATCGTAGTGAAGGTGAAGGCTGCAGGTATGCGTGTGG  
GCTCCTCACGGCGGAGGCGCTCAGAACGCAAGGTGACTCGCATGGTGGTGGTGTGCTGGTGTTCGT  
GGGCTGCTGGCTGCCTTTCTTTCATCGTCAACATCGTCAACCTGGCCTTACGCTACCCGAGGAGCCACCC  
TCTGCCGCCTCTACTTCTTGGTGGTCTGTCTTATGCCAATAGCTGTGCCAACCCCTGCTCTATG  
GCTTTCTCTGATAACTTCGCCAGAGTTTCCGGAAGGCTCTGTGCTACGTAGAGGATACGGTGTGGA  
GGATGCAGATGCCATAGAGCCACGGCCAGACAAGAGTGGGCGGCCACAGACCACACTGCCACACGCAGC  
TGTGAGGCCAACGGGCTCATGCAGACCAGCAGGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222389 representing NM\_001191008  
 Red=Cloning site Green=Tags(s)

MEPLSLTSTPSWNASAASSSSHNWSLVDPVSPMGARAVLVPVLYLLVCTVGLGGNTLVIYVVLRYAKMKT  
 VTNVYILNLAADVLFMLGLPFLATQNAVSYWPFSGFLCRLVMTLDGINQFTSIFCLMVMMSVDRYLAVVH  
 PLRSARWRRPRVAKLASAAVWVFSLLMSLPLLVFADVQEGWGTCLNSWPEPVGLWGAAFITYTSLVGLGFFG  
 PLLVICLCYLLIVVKVKAAGMRVGSRRRRSERKVTMVMVVVVLVFGCWL PFFIVNIVNLAFTLPEEPT  
 SAGLYFFVVVLSYANSCANPLL YGFLSDNFRQSF RKALCLRRGYGVEDADAIEPRPKSKSRPQTTLPTRS  
 CEANGLMQTSRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

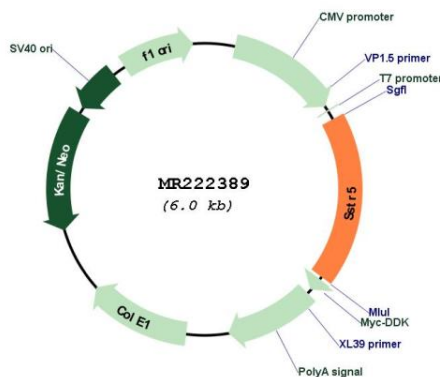
**UniProt ID:** [O08858](#)

**Cytogenetics:** 17 12.62 cM

**MW:** 40 kDa

**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 MR222389