

Product datasheet for **RR209578**

Sstr5 (NM_012882) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr5 (NM_012882) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sstr5
Synonyms:	Smstr5; Somato
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209578 representing NM_012882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCCCTCTCTGGCCTCCACCAAGCTGGAATGCCTCGGCTGCTTCCAGTGGTAACCATAACT
GGTCACTGGTGGGCTCAGCATCGCCAATGGGAGCCGGGAGTATTAGTGCCTGTGCTCTACCTGTTGGT
GTGCACCGTGGGACTGAGTGAAATACACTGGTCATTTATGTGGTGTGCGGCACGCCAAGATGAAGACA
GTTACTAACGTGTACATCCTGAACCTGGCCGTGGCTGACGTATTTTATGTTGGGACTTCTTTCTCGG
CCACGCAGAACGCCGTCTCTACTGGCCCTTCGGCTCCTTCTTGTGCCGCTGGTCACTGACTGGATGG
CATCAACCAGTTCACCAGTATCTTCTGCCTGATGGTCAAGTGTGACCGCTACCTGGCCGTGGTCCAC
CCTCTCCGCTCAGCCCGGTGGCTCGCCACGGGTAGCCAAGATGGCCAGCGCGGCGTCTGGGTCTTTT
CGCTGCTCATGTCTTGGCGCTTTGGTCTTCGCGGATGTCCAGGAGGGCTGGGGCACCTGCAACCTGAG
CTGGCCAGAGCCTGTGGGGCTGTGGGTGCAGCCTTCAACCTACACGTCTGTGTTGGGCTTCTTTGGG
CCCCTGCTGGTCACTGTCTTGTGCTACCTGCTCATTGTGGTCAAGGTGAAGGCTGCAGGCATGCGCGTAG
GCTCCTCAAGGCGGAGGCGCTCGGAGCGCAAGGTGACTCGCATGGTGGTGGTGTGGTGTGGTGTGGT
GGGCTGTGGTGCCTTTCTTATTGTCAACATCGTCAACCTGGCCTTCACTGCCCAGGAACCCACA
TCTGCCGCTCTATTTCTTGTGGTGGTCTATCTTATGCCAATAGCTGTGCCAACCCCTGCTTACG
GCTTTCTCTCGGACAACCTCCGCCAGAGCTTCCGGAAGTTCTGTGCCTACGTAGAGGATACGGTATGGA
GGATGCGGACGCCATAGAGCCACGGCCAGACAAGAGTGGGCGGCCTCAGGCCACACTGCCACACGCAGC
TGCGAGGCCAATGGGCTCATGCAGACCAGCAGGATT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209578 representing NM_012882
 Red=Cloning site Green=Tags(s)

MEPLSLASTPSWNASAASSGNHNWSLVGSASPMGARAVLVPVLYLLVCTVGLSGNTLVIYVVLRHAKMKT
 VTNYYILNLAVADVLFMLGLPFLATQNAVSYWPFGSFLCRLVMTLDGINQFTSIFCLMVMSVDRYLAVVH
 PLRSARWRRPRVAKMASAAVWVFSLLMSLPLLVFADVQEGWGTCLNSWPEPVGLWGAAFITYTSVLGFFG
 PLLVICLCYLLIVVKVKAAGMRVGSRRRRSERKVTRMVVVVVLFVFGCWL PFFIVNIVNLAFTLPEEPT
 SAGLYFFVVVLSYANSCANPLL YGFLSDNFRQSF RKVLC LRRGYGMEDADAIEPRPDKSGRPQATLPTRS
 CEANGLMQTSRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

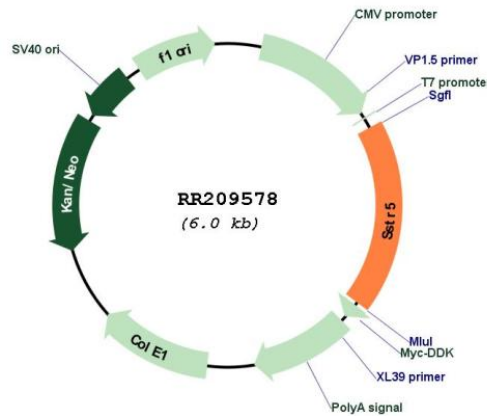
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012882

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:	<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_012882.2 , NP_037014.2
RefSeq Size:	1372 bp
RefSeq ORF:	1089 bp
Locus ID:	25354
Cytogenetics:	10q12
MW:	39.9 kDa
Gene Summary:	transmembrane receptor for somatostatin 28; coupled to a G-protein which inhibits adenylyl cyclase; may also activate the mitogen-activated protein (MAP) kinase cascade [RGD, Feb 2006]