

Product datasheet for RC229948

Somatostatin Receptor 5 (SSTR5) (NM_001172560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 5 (SSTR5) (NM_001172560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Somatostatin Receptor 5
Synonyms:	SS-5-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229948 representing NM_001172560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCTGTTCCACGCTCCACGCCAGCTGGAACGCCTCCTCCCGGGGGCTGCCTCTGGAGGCG
GTGACAACAGGACGCTGGTGGGGCCGGCCCTCGGCAGGGGCCCGGGTGTGGTGCCTGCTGTGTA
CCTGCTGGTGTGTGCGGCCGGGCTGGCGGGAACACGCTGGTCACTACGTGGTGTGCGCTTCGCCAAG
ATGAAGACCGTCACCAACATCTACATTCTAACCTGGCAGTGGCCGACGTCCTGTACATGCTGGGCTGC
CTTTCCTGGCCACGACAGAACGCCGCTCTTCTGGCCCTTCGGCCCGTCTGTGCCCTGGTCATGAC
GCTGGACGGCGTCAACCAGTTCACCAGTGTCTTCTGCCTGACAGTCATGAGCGTGGACCGCTACCTGGCA
GTGGTGCACCCGCTGAGCTCGGCCCGCTGGCGCCCGCGTGTGGCAAGCTGGCGAGCGCCGCGGCT
GGTCTCTGTCTGTGATGTGCTGCTGCCCTCCTGGTGTTCGCGGACGTGCAGGAGGGCGGTACCTGCAA
CGCCAGCTGGCCGGAGCCCGTGGGGCTGTGGGGCCCGTCTTATCATCTACACGCCGTGCTGGGCTTC
TTCGCGCCGCTGCTGGTCACTGCTGTGCTACCTGCTCATCGTGGTGAAGGTGAGGGCGGGCGGCTGC
GCGTGGGCTGCGTGGCGGGCGCTCGGAGCGGAAGGTGACCGCATGGTGTGGTGGTGGTGGTGGTGGT
TGCGGGATGTTGGCTGCCCTTCTTACCCTCAACATCGTCAACCTGGCCGTGGCGCTGCCACAGGAGCC
GCCTCCGCCGGCCTACTTCTTCTGGTGTGCTCCTCCTACGCCAACAGCTGTGCCAACCCCGCTCTCT
ACGGCTTCTCTGACAACTTCCGCCAGAGTTCAGAAAGGTTCTGTGCCTCCGCAAGGGCTCTGGTGC
CAAGGACGCTGACGCCACGGAGCCGCTCCAGACAGGATCCGGCAGCAGCAGGAGCCACGCCACCCGCG
CACCGCGCCGAGCCAACGGGCTTATGCAGACCAGCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC229948 representing NM_001172560
 Red=Cloning site Green=Tags(s)

MEPLFPASTPSWNASSPGAASGGGNRTL VGPAPSAGARAVLVPVLYLLVCAAGLGGNTLVIYVVLRFK
 MKTVTNIYILNLAVADLYMLGLPFLATQNAASFWPFGPVL CRLVMTLDGVNQFTSVFCLTVMSVDRYLA
 VVHPLSSARWRPRVAKLASAAAWVLSLCMSLPLLVFADVQEGGTCNASWPEPVGLWGAVFIIYTAVLGF
 FAPLLVICLCYLLIVVKVRAAGVRVGCVRRRSEKRVTRMVLVVVLFVAGCWLPFFTVNIVNLAVALPQEP
 ASAGLYFFVVILSYANSCANPVLYGFLSDNFRQSFQKVLCLRKGSGAKDADATEPRPDRIRQQEATPPA
 HRAAANGLMQTSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001172560

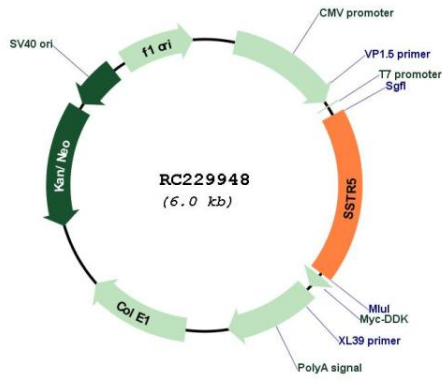
ORF Size: 1092 bp

OTI Disclaimer: 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.

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:	<u>NM_001172560.1</u> , <u>NP_001166031.1</u>
RefSeq ORF:	1095 bp
Locus ID:	6755
UniProt ID:	<u>P35346</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	39.7 kDa
Gene Summary:	Somatostatin and its related peptide cortistatin exert multiple biological actions on normal and tumoral tissue targets by interacting with somatostatin receptors (SSTRs). The protein encoded by this gene is one of the SSTRs, which is a multi-pass membrane protein and belongs to the G-protein coupled receptor 1 family. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase, and different regions of this receptor molecule are required for the activation of different signaling pathways. A mutation in this gene results in somatostatin analog resistance. Alternatively spliced transcript variants have been identified in this gene.[provided by RefSeq, Feb 2010]

Product images:



Circular map for RC229948