

Product datasheet for RC238109

Somatostatin Receptor 3 (SSTR3) (NM_001278687) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 3 (SSTR3) (NM_001278687) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Somatostatin Receptor 3
Synonyms:	SS-3-R; SS3-R; SS3R; SSR-28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC238109 representing NM_001278687 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATGCTTCATCCATCATCGGTGTCCACGACCTCAGAACCTGAGAATGCCTCCTCGGCCTGGCCCC
CAGATGCCACCCTGGGCAACGTGTCGGCGGGCCCAAGCCCGCAGGGCTGGCCGTCAGTGGCGTTCTGAT
CCCCCTGGTCTACCTGGTGGTGTGCGTGGTGGCCTGCTGGGTAACCTCGTGGTCATCTATGTGGTCTG
CGGCACACGGCCAGCCCTCAGTCACCAACGTCTACATCCTCAACCTGGCGCTGGCCGACGAGCTCTTCA
TGCTGGGGCTGCCCTTCTGGCCGCCAGAACGCCCTGTCTACTGGCCCTTCGGCTCCCTCATGTGCCG
CCTGGTCATGGCGGTGGATGGCATCAACCAAGTTCACCAGCATATTCTGCCTGACTGTCATGAGCGTGGAC
CGCTACCTGGCCGTGGTACATCCACCCGCTCGGCCCGCTGGCGCACAGCTCCGGTGGCCCGCACGGTCA
GCGCGGTGTGTGGTGGCTCAGCCGTGGTGGTGTGCCCGTGGTGGTCTTCTCGGGAGTGCCCGCGG
CATGAGCACCTGCCACATGCAGTGGCCCGAGCCGGCGGGCCTGGCGAGCCGGCTTCATCATCTACAG
GCCGACTGGGCTTCTTCGGGCCGCTGCTGGTCATCTGCCTCTGTACTCTCATCGTGGTGAAGGTGC
GCTCAGCTGGGCGCCGGTGTGGCACCCCTCGTGCCAGCGGGCGGGCGCTCCGAACGCAGGGTACGCG
CATGGTGGTGGCCGTGGTGGCCTCTTCGTGCTCTGCTGGATGCCCTTCTACGTGCTCAACATCGTCAAC
GTGGTGTGCCACTGCCGAGGAGCCTGCCTTCTTGGGCTCTACTTCTGGTGGTGGCGCTGCCATG
CCAACAGCTGTGCCAACCCATCCTTTATGGCTTCTCTCTCCTACCCTCAAGCAGGGCTCCGCGAGGGT
CCTGCTGCGGCCCTCCCGCGTGTGCGCAGCCAGGAGCCACTGTGGGGCCCCGGAGAAGACTGAGGAG
GAGGATGAGGAGGAGGAGGATGGGGAGGAGCAGGGAGGGGGCAAGGGGAAGGAGATGAACGCCCGG
TCAGCCAGATCACGCAGCCTGGCACCAGCGGGCAGGAGCGGCCCGCCAGCAGAGTGGCCAGCAAGGAGCA
GCAGCTCTACCCAAGAGGCTTCCACTGGGGAGAAGTCCAGCACGATGCGCATCAGCTACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001278687.2](#), [NP_001265616.1](#)

RefSeq Size: 3764 bp

RefSeq ORF: 1257 bp

Locus ID: 6753

UniProt ID: [P32745](#)

Cytogenetics: 22q13.1

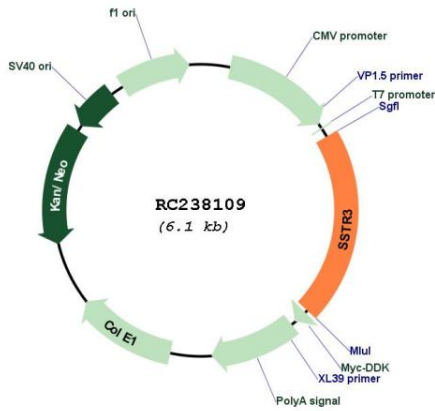
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 45.8 kDa

Gene Summary: This gene encodes a member of the somatostatin receptor protein family. Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC238109