

Product datasheet for **SC313373**

Somatostatin Receptor 3 (SSTR3) (NM_001051) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Somatostatin Receptor 3 (SSTR3) (NM_001051) Human Untagged Clone
Tag: Tag Free
Symbol: Somatostatin Receptor 3
Synonyms: SS-3-R; SS3-R; SS3R; SSR-28
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001051 edited
 ATGGACATGCTTCATCCATCATCGGTGCCACGACCTCAGAACCTGAGAATGCCTCCTCG
 GCCTGGCCCCAGATGCCACCCCTGGGCAACGTGTCGGCGGGCCCAAGCCGGCAGGGCTG
 GCCGTGAGTGGCGTTCTGATCCCCCTGGTCTACCTGGTGGTGTGCGTGGTGGGCCTGCTG
 GGTAACCTCGTGGTTCATCTATGTGGTCTGCGGCACACGGCCAGCCCTTCAAGTACCAAC
 GTCTACATCCTCAACCTGGCGCTGGCCGACGAGCTCTTCAAGTGGGGCTGCCCTTCTG
 GCCGCCAGAACGCCCTGTCTACTGGCCCTTCGGCTCCCTCATGTGCCGCTGGTCATG
 GCGGTGGATGGCATCAACCAGTTCACCAGCATATTCTGCCTGACTGTCATGAGCGTGGAC
 CGCTACCTGGCCGTGGTACATCCCACCCGCTCGGCCCGCTGGCGCACAGCTCCGGTGGCC
 CGCACGGTCAGCGCGGCTGTGTGGTGGCCTCAGCCGTGGTGGTGTGCCCGTGGTGGTC
 TTCTCGGGAGTGGCCCGGCATGAGCACCTGCCACATGCAGTGGCCGAGCCGGCGGCG
 GCCTGGCGAGCCGGCTTCATCATCTACACGGCCGCACTGGGCTTCTTCGGGCCGCTGCTG
 GCATCTGCCTCTGCTACCTGCTCATCGTGGTGAAGGTGCGCTCAGCTGGGCGCCGGGTG
 TGGGCACCTCGTGCCAGCGGGCGGGCGCTCCGAACGCAGGGTACGCGCATGGTGGT
 GCCGTGGTGGCGCTTTCGTGCTCTGCTGGATGCCCTTCTACGTGCTCAACATCGTCAAC
 GTGGTGTGCCACTGCCGAGGAGCCTGCCTTCTTTGGGCTCTACTTCTGGTGGTGGCG
 CTGCCATGCCAACAGCTGTGCCAACCCATCCTTTATGGCTTCTCTCTACCCTTC
 AAGCAGGGCTTCCGACAGGTCTGCTGCGGCCCTCCCGCGTGTGCGCAGCCAGGAGCCC
 ACTGTGGGGCCCCCGGAGAAGACTGAGGAGGAGGATGAGGAGGAGGAGGATGGGGAGGAG
 AGCAGGGAGGGGGCAAGGGGAAGGAGATGAACGGCCGGTCAAGCAGATCACGCAGCCT
 GGCACAGCGGGCAGGAGCGGCCGCCAGCAGAGTGGCCAGCAAGGAGCAGCAGCTCCTA
 CCCAAGAGGCTTCCACTGGGGAGAAGTCCAGCACGATGCGCATCAGCTACCTGTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001051 unedited GTTCTGATCAACTGGATCGGTATAGCCCATCTTGGGATAGGCGGAACGCCATGTGATGG ATATCTGCAGATATTCGGCTTCATGGACATGCTTCATCCATCATCGGTGTCCACGACCTC AGAACCTGAGAATGCCTCCTCGGCTGGCCCCAGATGCCACCCTGGGCAACGTGTCCGGC GGGCCCAAGCCCGCAGGGCTGGCCGTCACTGGCGTTCGATCCCCCTGGTCTACCTGGT GGTGTGCGTGGTGGCCCTGCTGGGTAACCTCGTGGTCACTATGTGGTCCCTGCGGCACAC GGCCAGCCCTTCAGTCACCAACGTCTACATCCTCAACCTGGCGCTGGCCGACGAGCTCTT CATGCTGGGGCTGCCCTTCTGGCCGCCAGAAGCCCTGTCTACTGGCCCTTCGGCTC CCTCATGTGCCGCTGGTTCATGGCGGTGGATGGCATCAACCAGTTCACCAGCATATTCTG CCTGACTGTCATGAGCGTGGACCGCTACCTGGCCGTGGTACATCCCACCCGCTCGGCCCG CTGGCGCACAGCTCCGGTGGCCCGCACGGTCAGCGCGGCTGTGTGGTGGCTCAGCCGT GGTGGTGTGCCCGTGGTGGTCTTCTCGGGAGTGGCCCGGCATGAGCACCTGCCACAT GCAGTGGCCCGAGCCGGCGGGCCTGGCGAGCCGGCTTCATCATCTACACGGCCGCACT GGGCTTCTTCGGCCCGCTGCTGGTCACTGCTCTGCTACCTGCTCATCGTGGTGAAGGT GCGCTCAGCTGGCGCCGGGTGTGGGCACCCTCGTGCCAGCGGGCGCCGCTCCGAACG CAAGATCACGCGCAGGGTGGTGGCCCGTGGTGGCGCTCCTCGTGCT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001051 unedited CACTTGGGGCGTGGGCTCACAGGGCAGCCACCCGGGTATCTGTTTCAGGAAAACACCTA TGACCGCGGCCGCAATCCTATAGTCGACAAGCCTTTGATATCGGTTACCGATCCTCGTGA CCCACTATTAACGGCCGCCAGCTGTGCTGGATATTCGGCTTGCCTACATGTATCTGATG CGCATCGTCTGGACTTCTCCCCAGTGGAAAGCCTTTGGGGTAAGATCTGCTGCTCCTTG CTGGCCACTCTGCTGGGGCGCCGCTCCTGCCCGTGGTGGCAGGCTGCGTGATCTGGCTG ACCCGGCCGTTTACTCCTTCCCCTTGGCCCCCTCCCTGCTCTCCTCCCATCCTCCTCC TCCTCATCCTCCTCCTCAGTCTTCTCCGGGGGCCCCACAGTGGGCTCCTGGCTGCGCACA CGGCGGGAGGGCCGACGAGGACCCTGCGGAAGCCCTGCTTGAAGCGGTAGGAGAGGAAG CCATAAAGGATGGGGTTGGCACATCTGTTGGCATAGGGCAGCGCCACCACCAGGAAGTAG AGCCCAAAGAAGGCAGGCTCCTCGGGCAGTGGGCACACCACGTTGACTATGTTGAGCAGC TAGAAGGGCATCCAGCAGAGCACGAAGAGCGCCACCACGGCCACCACCATGCGCGTGACC CTGCGTTTCGGAGCGCCCGCCGCTGGCAGGAGGTGCCACACCCGGCGCCCATCTGAG CGCACCTTCACCACGATGATCATGTAGCAGATGCAGATGACCAGCAGCGGCCCGAAGGAC CCAGTGGCGCCGTGATATGATGAAAACCCGCTCGCCAGGCGCCCGCCGCTCGGGCCA CTGCATGTTGGCAGGTGCTCATGCCGCGGGCACCTCCT
Restriction Sites:	Please inquire
ACCN:	NM_001051
Insert Size:	1300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001051.2](#), [NP_001042.1](#)

RefSeq Size: 2123 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

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]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.