

Product datasheet for **SC119446**

Somatostatin Receptor 2 (SSTR2) (NM_001050) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 2 (SSTR2) (NM_001050) Human Untagged Clone
Tag:	Tag Free
Symbol:	Somatostatin Receptor 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001050 edited

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GCAGCCACCCATGCGCGCGCTCGCAAGACCACCAGCGCCAGAGCCCCAGTCTGAGGC
TTGGCGCCGGGGTCTGCGGGCAGGGGAGCTCTCTACGTGCGAGGGGTAGCGGGAGC
C GGCACAAGAGGGTTCGAGGAGCCAGGAACCCAAACGTCCGGCGCCAGGCGCTAGCCAA
GC TGCTGCGCGCCCGCGCCAGCTGGCTCGGGGACAGCCGCTGGGTGTCGGAGACCG
GAG CTAGCGGATTGCAGCGAAAAGCAAAGATGTCACACTGGATCCTTGGCCTCCAGGG
TCCA TTAAGGTGAGAATAAGATCTCTGGGCTGGCTGGAAGTGCCTAAGACTGAAAAGC
AGCCA TGGACATGGCGGATGAGCCACTCAATGGAAGCCACACATGGCTATCCATTCCAT
TTGACC TCAATGGCTCTGTGGTGTCAACCAACACCTCAAACCAGACAGAGCCGACTAT
GACCTGA CAAGCAATGCAGTCTCACATTCATCTATTTTGTGGTCTGCATCATTGGGT
GTGTGGCA ACACACTTGTCAATTTATGTCATCCTCCGCTATGCCAAGTGAAGACCATCA
CCAACATTT ACATCCTCAACCTGGCCATCGCAGATGAGCTTTCATGCTGGGTCTGCCT
TTCTTGGCTA TGCAGGTGGCTCTGGTCCACTGGCCCTTTGGCAAGGCCATTTGCCGGT
GGTCATGACTG TGGATGGCATCAATCAGTTCACCAGCATTTCTGCCTGACAGTCATGA
GCATCGACCGAT ACCTGGCTGTGGTCCACCCCATCAAGTCGGCCAAGTGGAGGAGACC
CGGACGGCCAAGA TGATCACCATGGCTGTGTGGGGAGTCTCTGCTGGTCATCTTGCC
CATCATGATATATG CTGGGCTCCGGAGCAACCAGTGGGGGAGAAGCAGCTGCACCATCA
ACTGGCCAGGTGAAT CTGGGGCTTGGTACACAGGGTTCATCATCTACACTTTCATTCTG
GGGTTCTCGGTACCC TCACCATCATCTGTCTTTGCTACCTGTTCAATTATCAAGGT
GAAGTCTCTGGAATCC GAGTGGGCTCCTTAAGAGGAAGAAGTCTGAGAAGAAGGTCA
CCCGAATGGTGTCCATCG TGGTGGCTGTCTTCATCTTCTGCTGGCTTCCCTTACATA
TTCAACGTTTCTCCGTCT CCATGGCCATCAGCCCCACCCAGCCCTTAAAGGCATGTT
TGACTTTGTGGTGGTCTCA CCTATGCTAACAGCTGTGCCAACCCATCCTATATGCCT
TCTTGTCTGACAACTTCAAGA AGAGCTTCCAGAATGTCCTCTGCTTGGTCAAGGTGAGC
GGCACAGATGATGGGAGCGGA GTGACAGTAAGCAGGACAAATCCCGGCTGAATGAGAC
CACGGAGACCCAGAGACCCTCC TCAATGGAGACCTCAAACCAGTATCTGAACTGCTT
GGGGGTGGGAAAGAACCAAGCCA TGCTCTGTCTACTGGCAATGGGCTCCCTACCCACA
CTGGCTTCTGCCTCCACCCCTCA CACCTGGCTTCTAGAATAGAGGATTGCTCAGCAT
GAGTCCAGTTCAGAGAACGGTGTGTTG AGTCAGCTTGTCTGATTGAATGATAATGTGCTA
AATTGATTACCTCCCCCTTAAAGCGAA CACTGAAATGCAGGTAGACAATTCAAAGTCTG
GAGAAGAGGGATCATGCCTGGATATGAT CTTTAGAAACAACAAAATAGAAAAAATAA
GTATCTGTGTGTTGTGTATTGAAAATC AATATGTAATCTTGTGTTTTATATGTATA
CTTGATATTCCTATTTATTCTGTATAG GCATTACCTACGTTCTGTGTTTACATAC
ACAAGTAGCAAATTCAGTATGCATAGTGTA GATGGACATTTGCCACAACACTGCC
CGAAGTGGACTTACCGTGAAGCCAATAAAG TTCAAGCTTC

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001050 unedited
 ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCAGCCACCCATGCGCGCGCG
 CTCGCAAGACCACCAGCGCCAGAGCCCAAGTCTGAGGCTTGGCGCCGGGGTCTGCGGG
 CGAGGGGAGCTCTCTACGTGCGAGGGGCTAGCGGGAGCCGGCACAAGAGGGTCGAGGAGC
 CAGGAACCCAAACGTCCGGCGCCAGGCCTAGCCAAGCTGCTGCGCGCCCGCGGCCCA
 GCTGGCTCGGGGACAGCCGCTGGGTGTCGGAGACCCGAGCTAGCGGATTGCAGCGGAAAA
 GCAAAGATGTCACACTGGATCCTTGGCTCCAGGTCCATTAAGGTGAGAATAAGATCTC
 TGGGCTGGCTGGAAGTACCTAAGACTGAAAAGCAGCCATGGACATGGCGGATGAGCCAC
 TCAATGGAAGCCACACATGGCTATCCATTCCATTTGACCTCAATGGCTCTGTGGTGTCAA
 CCAACACCTCAAACCAGACAGAGCCGACTATGACCTGACAAGCAATGCAGTCCTCACAT
 TCATCTATTTTGGTCTGCATCATTGAGTTGTGTGGCAACACTTGTCAATTTATGTCA
 TCCTCCGCTATGCCAAGATGAAGACCATCACCAACATTTACATCCTCAACCTGGCCATCG
 CAGATGAGCTCTCATGTGGTCTGCCTTTCTGGCTATGCAGGTGGCTCTGGTCCACT
 GGCCCTTTGGCAAGCCATNTGCCGNTGGTCATGACGGGTGGATGGCATCATCAGTTCAC
 CAGCATCTTCTGCCTGACAGTCATGAGCATCGACCGATACCTGGGCTGTGGGTCCACCCC
 CATCAGTCGGCAGTTGGGAGAGACCCCGNACCGNCAGATGTACCATGGCTGGNCGGGG
 AGTCTCTGCTGGCATCCTGCCATATGATTATGCTGGGCTCGGACACCCTGGGGGGAG
 CAGCTGCCTCACTCCAGTGATCTGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001050 unedited
 NACTCGATGGACCGCGGACCGCAATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTGAGACATGAGTTTTGCTCTTGTGCTCAGGCTAGAGATGCAGGGGCA
 CAATCTCAGTTACTGCAACCTCCACCTCCCAAGTTCAAGTGATTCTCCTGCCTCAGCCT
 CCCGAGCAGCTAGGATTACAGGCACGTGACACCACGCCGACTAATTTACATATTTTATAG
 TAGGGATGGGGTTTACCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCGGGTGATC
 CACCCACCTCGGCCTCCCAAAGTCTGGGATTACAGGTGTAAGCCACCACGCCCGGCCAT
 GCATTGTGGTTTTCTTAATGCCAGCTTTGTATGAAGTCTCTAAAGTCCCCTTTGAGGA
 GTCGTGCAATTACATTTCCATTTCTTTTATTAGGAAGCTATGTCTGGCTGAAAAATAA
 AAACAATTTTATGGTTTCTATAAAGGCGTAATTTTGCCTCACTTTATCACTTATTTT
 CACGATGGAGAGAATGAAATGGTCCCCACAGGATCATAACCCATTTTTTGTCTTTTCAA
 GTGAAGGAGATTTTCCCCCAAGTTCCCTAGAAAAACTAAAGCCATTTGGAAAAAGAAA
 AAAAAGGCAATCTTAAAACCAAAAGTGCCTGGGCTGGAAAAAAACCAAGAGGGTGGAC
 CCAACCCCTTTAAGCCCTTTGGGGCAAGGAAAAACCCCGGCCCTTTTCGAAAAAGGGA
 AACCCCGAATTTACATTCGGGGCTTTAAAAATTTCTTGGCCTTTCCCTTTTCAATGGCC
 CCCCTGCCGAAAAAAGGACCAACCCCGAGGCCAGGCCAAAAGGTGGGGGGGTTT
 AATCTACCGGGGCTCTTTAAAAAACCCCCCTTCTTTTCCACTTTTCCACAC
 ACT

Restriction Sites:

NotI-NotI

ACCN:

NM_001050

Insert Size:

3000 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).

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_001050.1 , NP_001041.1
RefSeq Size:	1110 bp
RefSeq ORF:	1110 bp
Locus ID:	6752
UniProt ID:	P30874
Cytogenetics:	17q25.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. [provided by RefSeq, Jul 2008]