

Product datasheet for SC119450

Somatostatin Receptor 5 (SSTR5) (NM_001053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 5 (SSTR5) (NM_001053) Human Untagged Clone
Tag:	Tag Free
Symbol:	Somatostatin Receptor 5
Synonyms:	SS-5-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001053, RT-PCR generated
 ATGGAGCCCCTGTTCCCAGCCTCCACGCCAGCTGGAACGCCTCCTCCCGGGGGCTGCC
 TCTGGAGGCGGTGACAACAGGACGCTGGTGGGGCCGGCCCTCGGCAGGGGCCCGGGC
 GTGCTGGTGCCCGTGTGTACCTGCTGGTGTGTGCGGCCGGGCTGGGCGGAACACGCTG
 GTCATCTACGTGGTGTGCGCTTCGCCAAGATGAAGACCGTCACCAACATCTACATTCTC
 AACCTGGCAGTGGCCGACGTCTGTACATGCTGGGGCTGCCTTTCTGGCCACGCAGAAC
 GCCGCGTCTTCTGGCCCTTCGGCCCCGTCTGTGCCGCTGGTCATGACGCTGGACGGC
 GTCACCAGTTCACCAGTGTCTTCTGCCTGACAGTCATGAGCGTGGACCGCTACCTGGCA
 GTGGTGCACCCGCTGAGCTCGGCCCGTGGCGCCGCCCGCTGTGGCCAAGCTGGCGAGC
 GCCGCGGCTGGTCTGTCTGTGTCATGTGCTGCCGCTCCTGGTGTTCGCGGACGTG
 CAGGAGGGCGGTACCTGCAACGCCAGCTGGCCGAGCCCGTGGGGCTGTGGGGCGCCGTC
 TTCATCATCTACACGGCCGTGTGGGCTTCTTCGCGCCGCTGCTGGTCATCTGCCTGTGC
 TACCTGCTCATCGTGGTGAAGGTGAGGGCGCGGGCGTGCAGCGTGGGCTGCGTGCAGCGG
 CGCTCGGAGCGGAAGGTGACCGCATGGTGTGGTGGTGGTGGTGGTGTGGTGTGGGATGT
 TGGCTGCCCTTCTCACCGTCAACATCGTCAACCTGGCCGTGGCGCTGCCCCAGGAGCCC
 GCCTCCGCCGGCCTCTACTTCTTCGTGGTCATCTCTCTACGCCAACAGCTGTGCCAAC
 CCCGCTCTACGGCTTCTCTCTGACAACCTCCGCCAGAGCTTCCAGAAGGTTCTGTGC
 CTCCGCAAGGGCTCTGGTGCCAAGGACGCTGACGCCACGGAGCCCGCTCCAGACAGGATC
 CGGCAGCAGCAGGAGGCCACGCCGCCGCGCACCGCGCCGAGCCAACGGGCTTATGCAG
 ACCAGCAAGCTGTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001053 unedited</p> <pre>GGCCTACCTGGT GAGTACCCGAATTCGGGAAGGCAGAAGCCCTTGTGATGGAATCTGCAG AATTGGGCTTGCCATGGTAGCCCTGTTCCAGCCTCCACGCCAGCTGGAACGCCTCT CCCCGGGGCTGCCTCTGGAGGCGGTGACAACAGGACGCTGGTGGGGCCGGCGCCCTCG CAGGGGCCCGGGCGGTGCTGGTCCCGTGTGTACCTGCTGGTGTGTGCGGCCGGCTGG GCGGGAACACGCTGGTCATCTACGTGGTGTGCGCTTCGCCAAGATGAAGACCGTACCA ACATCTACATTCTCAACCTGGCAGTGGCCGACGCTCTGTACATGCTGGGGCTGCCTTCC TGGCCACGCAGAACGCCGCTCCTTCTGGCCCTTCGGCCCGTCTGTGCGCCTGGTCA TGACGCTGGACGCGTCAACCAGTTCACCAAGTGTCTTCTGCCTGACAGTCATGAGCGTGG ACCGCTACCTGGCAGTGGTGCACCCGCTGAGCTCGGCCGCTGGCGCCGCCCGCTGTGG CCAAGCTGGCGAGCGCCGCGGCTGGGTCTGTCTGTGTGATGTGCTGCGCTGCCGCTCTGG TGTTTCGGGACGTCANGAGGGCGGTACCTGCAACGCCAGCTGGCCGGAGCCCGTGGGGC TGTGGGGCGCCGCTTTCATCATCTACACGGCCGTGCTGGGCTTCTTCGCGCCGCTGCTGG TCATCTGCCTGTGCTACCTGCTCATCTGTTGAAAGTGAAGGCNGCNGCGTGGCCCTGG GCTGCGTGGCGCGGCTCGGAACGAAAGTACGCGCATGGTGTGGTGGTGGTGGTGGTGG TGTTTTGCGGGATATTGGCTTGCCTTTTTACCGTACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001053 unedited</p> <pre>AAAGCACTGGGNGAGGGGCTCACAGGGCATGCCACCCGGGTATCTGTTGCAGAAAACAG CTATGACCGCGGCGCAATCTAGAGTCGACAAGCTTGATATCGGTACCGAGCTCGTGATC CACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTGCACTCTCACAGCTTGTGGTCT GCATAAGCCCGTTGGCTGCGGCGGGTGCAGCGGGCGGCGTGGCCCTCTGTGCTGCCGGA TCCTGTCTGGACGCGGCTCCGTGGCGTACGCGTCTTGGCACCAGAGCCCTTGGCGAGGC ACAGAACCTTCTGGAAGCTCTGGCGGAAGTTGTACAGAGGAAGCCGTAGAGGACGGGGT TGGCACAGCTGTTGGCGTAAGAGAGGATGACCACGAAGAAGTAGAGGCCGCGGAGGCGG GCTCCTGGGGCAGCGCCACGGCCAGGTTGACGATGTTGACGGTGAAGAAGGGCAGCCAAC ATCCCGCAAACACCAGCACACCACCAACACCATGCGCGTCACTTCCGCTCCGAGCGCC GCCGCACGCAGCCACGCGCACGCCCGCCGCCCTCACCTTACCACGATGAGCAGGTAGC ACAGGCAGATGACCAGCAGCGGCGGAAGAAGCCAGCACGGCCGTGATATGATGAATA CGGCGCCACAGCCCCACGGGCTCCGGCCAGCTGGCGTTGCAAGTACCGCCCTCCTGCA CGTCCGGAACACCAGGAGCGGACGCACATGCACAGAGACAGGACCCCAAGCCCGGCGC TCGCCAGCTTGGCCACACGCGGGCGGCGCACGCGGCGGAGCTCAGCGGTGCACCACTGC CAGGTAGCGGTCCACGCTCATG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_001053
Insert Size:	1000 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_001053.1 , NP_001044.1
RefSeq Size:	1095 bp
RefSeq ORF:	1095 bp
Locus ID:	6755
UniProt ID:	P35346
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>