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Product datasheet for SC123821

Somatostatin Receptor 1 (SSTR1) (BC035618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 1 (SSTR1) (BC035618) Human Untagged Clone
Tag:	Tag Free
Symbol:	Somatostatin Receptor 1
Synonyms:	G-protein coupled receptor; somatostatin receptor 1; SRIF-2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for BC035618 edited
TGCGGTGCTCCCACATCCTGGCCTCTCCTCTCCACAGTCGCCTGTGCCCGGGCACCCCGG
AGCTGCAAACTGCAGAGCCCAGGCAACCGCTGGGCTGTGCGCCCCGCCGGCGCCGGTAGG
AGCCGCGCTCCCCGCAGCGGTTGCGCTCTACCCGGAGGCGCTGGGCGGCTGCGGGCTGCA
GGCAAGCGGTCGGGTGGGGAGGGAGGGCGCAGGCGGCGGGTGCGCGAGGAGAAAGCCCCA
GCCCTGGCAGCCCCACTGGCCCCCCTCAGCTGGGATGTTCCCCAATGGCACCGCCTCCTC
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CCCCGGGGCCGGCGCTGCGGACGGCATGGAGGAGCCAGGGCGAAATGCGTCCCAGAACGG
GACCTTGAGCGAGGGCCAGGGCAGCGCCATCCTGATCTCTTTCATCTACTCCGTGGTGTG
CCTGGTGGGGCTGTGTGGGAACTCTATGGTCATCTACGTGATCCTGCGCTATGCCAAGAT
GAAGACGGCCACCAACATCTACATCCTAAATCTGGCCATTGCTGATGAGCTGCTCATGCT
CAGCGTGCCCTTCCTAGTCACCTCCACGTTGTTGCGCCACTGGCCCTTCGGTGCGCTGCT
CTGCCGCCTCGTGCTCAGCGTGGACGCGGTCAACATGTTCACCAGCATCTACTGTCTGAC
TGTGCTCAGCGTGGACCGCTACGTGGCCGTGGTGCATCCCATCAAGGCGGCCCGCTACCG
CCGGCCCACCGTGGCCAAGGTAGTAAACCTGGGCGTGTGGGTGCTATCGCTGCTCGTCAT
CCTGCCCATCGTGGTCTTCTCTCGCACCGCGGCCAACAGCGACGGCACGGTGGCTTGCAA
CATGCTCATGCCAGAGCCCGCTCAACGCTGGCTGGTGGGCTTCGTGTTGTACACATTTCT
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CACCTTAATGGTGATGATGGTGGTGATGGTGTTTGTCATCTGCTGGATGCCTTTCTACGT
GGTGCAGCTGGTCAACGTGTTTGCTGAGCAGGACGACGCCACGGTGAGTCAGCTGTCGGT
CATCCTCGGCTATGCCAACAGCTGCGCCAACCCCATCCTCTATGGCTTTCTCTCAGACAA
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GCCGGTTGACTATTACGCCACCGCGCTCAAGAGCCGTGCCTACAGTGTGGAAGACTTCCA
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GACGCTCTGAGCCCGGGCCACGCAGGGGCTCTGAGCCCGGGCCACGCAGGGGCCCTGAGC
CAAAAGAGGGGGAGAATGAGAAGGGAAGGCCGGGTGCGAAAGGGACGGTATCCAGGGCGC
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CAGGGTGCTGTCGGGATAACGTGGGGCTAGGACACTGACAGCCTTTGATGGAGGAACCCA
AGAAAGGCGCGCGACAATGGTAGAAGTGAGAGCTTTGCTTATAAACTGGGAAGGCTTTCA
GGCTACCTTTTTCTGGGTCTCCCACTTTCTGTTCCTTCCTCCACTGCGCTTACTCCTCTG
ACCCTCCTTCTATTTTCCCTACCCTGCAACTTCTATCCTTTCTTCCGCACCGTCCCGCCA
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for BC035618 unedited
NNNNGGTTCGTTACGCCTGGNGAAGCCATCCAGCTGTTTTGACCTCCTAGAAGAACCGGG
ACCGATCCAGCCTCCGGACTCTAGCCTAGGCCGCGGGACGGATAACAATTTCACACAGGA
AACAGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTTGTACAAAAAAG
CAGGCTGGTACCGGTCCGGAATTCCCGGGATTGCGGTGCTCCCACATCCTGGCCTCTCCT
CTCCACAGTCGCCTGTGCCCGGGCACCCCGGAGCTGCAAACTGCAGAGCCCAGGCAACCG
CTGGGCTGTGCGCCCCGCCGGCGCCGGTAGGAGCCGCGCTCCCCGCAGCGGTTGCGCTCT
ACCCGGAGGCGCTGGGCGGCTGCGGGCTGCAGGCAAGCGGTCGGGTGGGGAGGGAGGGCG
CANGCGGCGGGTGCGCGAGGAGAAAGCCCCAGCCCTGGCAGCCCCACTGGCCCCCCTCAG
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TCCTGATCTCTTTCATCTACTCCGTGGTGTGCCTGGTGGGGCTGTGTGGGAACTCTATGG
TCATCTACGTGATCCTGCGCTATGCCAAGATGAAGACGGCCACCAACATCTACATCCTAA
ATCTGGCCATTGCTGATGAGCTGCTCATGCTCAGCGTGCCCTTCCTAGTCACCTCCACGT
TGTTGCGCCACTGGCCCTTCGGTGCGCTGCTCTGCCGCCTCGTGCTCAGCGTGGACGCGG
TCAACATGTT

3' Read Nucleotide Sequence:

>OriGene 3' read for BC035618 unedited
CGTAGGGTCANCTGTCTATTTTGTTAATATTACAATGGTCACAAGTTAAGAGCACTAAAT
TTGTATCCTCTTAGACTGATAATGATTAAGATTTTGATTTGTAAATTTCACAGTTCTTAA
CCATTAAAAATCTATTTTCCAAAGGAGTAGTAATATATATTTTTATTAAGGGACAGATCT
AAACTTTCTGATTTATGACCCAAAGCATATTTGTTCATTAGTTTAAGCAAAACATTAGGG
ATATCTTAACTCTTGGTTACTGCTTTCAGGAAAGCACAAAGTTGTTGAAGCAAATATACA
CAAAACGTATTTTTCAATAGTGATTTTAACCATTGTATATCATGTCAATGAGTGAACCTG
AGAACCCCAGATTTAGTATCTCCAGATTGTTGTAATACACTCTGGCTTAAACAATCAACC
AACAAACATGTATTTAGTGCCTACTATGTACAAGCCAGCATACTAAAGCAATACAGGAAA
TATAAATAATTAAAATTATTGGTCCTCGCCCTGCTCAGGCTTCCAATGTAGTTGGTAATA
TTAAACACAGACACAAATTATTTCACTTTCAATGTCCTCAAAAAAAGTGATGATGTTAAC
TGGATCATATGTAAGAATCACCTCTGCTGGAACCCAGAGGGAGCAGGGGCATCTTCAGCA
GTGATTAAAGTCTCTGTCTGAATTAGATTCCTCAGCTCCAGGTTTGAGTGCTGCTTGCAC
TCCTGAAACTGAAAGTGTTCCAGCCAGACTCACACCTGTCACCATCAGTGGCTATACTTA
GACTCCTGGACTCCTGACAATGGAGCAAGATAAGTATACATATGTCCCCCTCATATATAT
AAATATATAATCACTCAATTTTATATAGGGTGATGTTCCCCTTTTTTGTCTCCTGGAAAC
CCGGAGTCAAGACTTCCCCTGGGCTGGAAAGGAGGAAAA

Restriction Sites: Please inquire

ACCN: BC035618

Insert Size: 4700 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).

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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:	BC035618.1, AAH35618.1
RefSeq Size:	4000 bp
RefSeq ORF:	1173 bp
Locus ID:	6751
Cytogenetics:	14q21.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	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. The protein encoded by this gene is a member of the superfamily of somatostatin receptors having seven transmembrane segments. 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 somatostatin receptor has greater affinity for somatostatin-14 than -28. [provided by RefSeq, Jul 2012]

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