

Product datasheet for MC209420

Sstr2 (NM_001042606) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sstr2 (NM_001042606) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sstr2
Synonyms:	Smstr-2; Smstr2; SRIF-1; SS2R; sst2; SSTR-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209420 representing NM_001042606 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGAGCTCTGAGCAGTTGAATGGGAGCCAAGTGTGGGTGTCCTCTCCATTTGACCTCAACGGCT
CACTGGGGCCAAGCAATGGCTCCAACCAGACCGAGCCATACTACGACATGACAAGCAACGCCGCTCTCAC
GTTTCATCTACTTCGTGGTGTGTGTGTGTCGGGCTGTGCGGCAACACGCTGGTCATTTATGTCATCCTCCGC
TATGCCAAGATGAAGACCATACCAACATCTACATCCTAACCTGGCCATTGCAGATGAACCTTTCATGC
TAGGGCTGCCCTTCTTGCCATGCAGGTGGCGCTAGTCCACTGGCCTTTTGGCAAGGCCATCTGCCGGGT
GGTCATGACTGTAGATGGCATCAATCAGTTCACCAAGTATCTTCTGCTTGACGGTCATGAGCATCGACCGC
TACCTGGCCGTGGTGCACCCCATTAAGTCAGCCAAATGGAGGCGACCCCGGACAGCCAAGATGATCAATG
TAGCTGTGTGGTGTGTGTCTCTGCTCGTCATTTTGCCCATCATGATATACGCCGGCTCCGGAGCAACCA
GTGGGGCAGGAGCAGCTGTACCATCAACTGGCCAGGCGAATCCGGGGCGTGGTACACAGGTTTCATTATC
TACGCCTTCATCCTGGGTTCTGGTACCCCTTACCATCATTTGTCTCTGCTACCTGTTTCATCATCATCA
AGGTGAAGTCCTCTGGAATCCGAGTGGGATCATCAAGAGGAAAAAGTCAGAGAAAAAGGTGACCCGCAT
GGTGTCCATCGTAGTGGCTGTCTTTCATCTTCTGCTGGCTCCCCTTCTACATCTTCAACGTCTCTTCCGTG
TCTGTGGCCATCAGTCCCACCCAGCCCTGAAAGGCATGTTTACTTTGTGGTGCCTCACCTATGCCA
ACAGTGCGCCAACCCCATCCTGTACGCCTTCTTGTCTGACAACCTCAAGAAGAGCTTCCAGAATGTTCT
TTGCTTGGTCAAGGTGAGTGGTACGGAGGATGGGAGAGGAGCGACAGTAAGCAGGACAAATCCCGGCTG
AATGAGACCACGGAGACCCAGAGACCCTCCTCAATGGAGACCTCCAACCAGTATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3200_c03.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001042606
Insert Size:	1110 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_001042606.2 , NP_001036071.1
RefSeq Size:	1342 bp
RefSeq ORF:	1110 bp
Locus ID:	20606
UniProt ID:	P30875
Cytogenetics:	11 79.05 cM
Gene Summary:	<p>The protein encoded by this gene is a receptor for somatostatin, which acts at many sites to inhibit the release of several hormones and other secretory proteins. The encoded protein is a member of the superfamily of receptors having seven transmembrane segments and is involved in many processes, including adenylyl cyclase inhibition, phosphotyrosine phosphatase stimulation, and inhibition of calcium entry and cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) lacks an exon and its transcription extends past a splice site that is used in variant 2. This results in a novel 3' coding region and 3' UTR, compared to variant 2. It encodes isoform A which is longer and has a distinct C-terminus, compared to isoform B.</p>