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Product datasheet for SC119449

Somatostatin Receptor 4 (SSTR4) (NM_001052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 4 (SSTR4) (NM_001052) Human Untagged Clone
Tag:	Tag Free
Symbol:	Somatostatin Receptor 4
Synonyms:	SS-4-R; SS4-R; SS4R
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>SC119449 representing NM_001052.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGGCTTGGCACCCCTGGTCATGAGCGCCCCCTCGAC
GCTGCCCCCCGGGGGCGAGGAAGGGCTGGGGACGGCCTGGCCCTCTGCAGCCAATGCCAGTAGCGCTCC
GGCGGAGGCGGAGGAGGCGGTGGCGGGGCCCGGGGACGCGCGGGCGGCGGGCATGGTCGCTATCCAGTG
CATCTACGCGCTGGTGTGCCTGGTGGGGCTGGTGGGCAACGCCCTGGTCATCTTCGTGATCCTTCGCTA
CGCCAAGATGAAGACGGCTACCAACATCTACCTGCTCAACCTGGCCGTAGCCGACGAGCTCTTCATGCT
GAGCGTGCCCTTCGTGGCCTCGTCGGCCGCCCTGCGCCACTGGCCCTTCGGCTCCGTGCTGTGCCGCGC
GGTGCTCAGCGTCGACGGCCTCAACATGTTCACCAGCGTCTTCTGTCTCACCGTGCTCAGCGTGGACCG
CTACGTGGCCGTGGTGCACCCTCTGCGCGCGGCGACCTACCGGCGGCCCAGCGTGGCCAAGCTCATCAA
CCTGGGCGTGTGGCTGGCATCCCTGTTGGTCACTCTCCCCATCGCCATCTTCGCAGACACCAGACCGGC
TCGCGGCGGCCAGGCCGTGGCCTGCAACCTGCAGTGGCCACACCCGGCCTGGTCGGCAGTCTTCGTGGT
CTACACTTTCCTGCTGGGCTTCCTGCTGCCCGTGCTGGCCATTGGCCTGTGCTACCTGCTCATCGTGGG
CAAGATGCGCGCCGTGGCCCTGCGCGCTGGCTGGCAGCAGCGCAGGCGCTCGGAGAAGAAAATCACCAG
GCTGGTGCTGATGGTCGTGGTCGTCTTTGTGCTCTGCTGGATGCCTTTCTACGTGGTGCAGCTGCTGAA
CCTCTTCGTGACCAGCCTTGATGCCACCGTCAACCACGTGTCCCTTATCCTTAGCTATGCCAACAGCTG
CGCCAACCCCATTCTCTATGGCTTCCTCTCCGACAACTTCCGCCGATTCTTCCAGCGGGTTCTCTGCCT
GCGCTGCTGCCTCCTGGAAGGTGCTGGAGGTGCTGAGGAGGAGCCCCTGGACTACTATGCCACTGCTCT
CAAGAGCAAAGGTGGGGCAGGGTGCATGTGCCCCCCACTCCCCTGCCAGCAGGAAGCCCTGCAACCAGA
ACCCGGCCGCAAGCGCATCCCCCTCACCAGGACCACCACCTTCTGAGGAAAGCCGAATTCCAGCACACT
GGCGGCCGTTACTAGTGGATCCGAGCTCGGTACCGATATCAAGCTTGTCGACTCTAGATTGCGGCCGC

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001052 unedited
NGGAAACTTGATATTTGTAAACGACTTATATAGGCGGCCGCCATGTGATGTGAATCTGCA
GAATTCGGCTTGGCACCCCTGGTCATGAGCGCCCCCTCGACGCTGCCCCCCGGGGGCGAG
GAAGGGCTGGGGACGGCCTGGCCCTCTGCAGCCAATGCCAGTAGCGCTCCGGCGGAGGCG
GAGGAGGCGGTGGCGGGGCCCGGGGACGCGCGGGCGGCGGGCATGGTCGCTATCCAGTGC
ATCTACGCGCTGGTGTGCCTGGTGGGGCTGGTGGGCAACGCCCTGGTCATCTTCGTGATC
CTTCGCTACGCCAAGATGAAGACGGCTACCAACATCTACCTGCTCAACCTGGCCGTAGCC
GACGAGCTCTTCATGCTGAGCGTGCCCTTCGTGGCCTCGTCGGCCGCCCTGCGCCACTGG
CCCTTCGGCTCCGTGCTGTGCCGCGCGGTGCTCAGCGTCGACGGCCTCAACATGTTCACC
AGCGTCTTCTGTCTCACCGTGCTCAGCGTGGACCGCTACGTGGCCGTGGTGCACCCTCTG
CGCGCGGCGACCTACCGGCGGCCCAGCGTGGCCAAGCTCATCAACCTGGGCGTGTGGCTG
GCATCCCTGTTGGTCACTCTCCCCATCGCCATCTTCGCAGACACCAGACCGGCTCGCGGC
GGCCAGGCCGTGGCCTGCAACCTGCAGTGGCCACACCCGGCCTGGTCGGCAGTCTTCGTG
GTCTACACTTTCCTGCTGGGCTTCCTGCTGCCCGTGCTGGCCATTGGCCTGTGCTACCTG
CTCATCGTGNGCAAGATGCGCGCCGTGGCCCTGCGCGCTGGCTGGCAGCCAACGCAGCGC
TCCGGAAAGAAAATCACCACGCTGGTGCTGATGGGTCGTGGTCGTCTTTGTGCTCTGCTG
GGATGCTTNCTACGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001052 unedited
CCTTGACTATTGCGAGATGGCCACCTTCCAGGCCCGGGAAAGCACTGGGGCAGGGTCACA
GGGCATGCCCCCGGGCTCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTATAGTCG
ACAAGCTTGATATCGGTACCGAGCTCGTATCCACTAGTAACGGCCGCCAGTGTGCTGGAA
TTCGGCTTTCCTCAAAAGGTGGTGGTCCTGGTGAGGGGGATGCGCTTGCGGCCGGGTTCT
GGTTGCAGGGCTTCCTGCTGGCAGGGGAGTGGGGGGCACATGCACCCTGCCCCACCTTTG
CTCTTGAGAGCAGTGGCATAGTAGTCCAGGGGCTCCTCCTCAGCACCTCCAGCACCTTCC
AGGAGGCAGCAGCGCAAGCAGAGAACCCGCTGGAAGAATCGGCGGAAGTTGTCGGAGAGG
AAGCCATAGAGAATGGGGTTGGCGCATCTGTTGGCATATCTAAAGATAAGGGACACGTGG
TTGACGGTGGCATCAAGGCTGGTCACGAATAGGTTCAGCAGCTGCACCACGTAGAAAGGC
ATCCAGCAGAGCACAAAGACGACCACGACCATCAGCACCAGCCTGGTGATTTTCTTCTCC
GAGCGCCTGCGCTGCTGCCAGCCAGCGCGCAGGGCCACGGCGCGCATCTTGCCCACGATG
AGCAGGTAGCACAGGCCAATGGCCAGCACGGGCAGCAAGAAGCCCATCAGGAAAGTGTAG
ACCACGAAGACTGCCGACCATGCCGGGTGTGGCCACTGCAGTTTGCAAGCCACGGCCTGG
CCGCCGCGAGCCGGTCTGGTGTCTGCAAAATGGCGATGGGGAGAGTGACCAACAGGGATG
CCAGCCCACTCCCAGGTTGATGATCCTGGCCACGCTGGGCCGCCGGTTAGTCCCCCCACG
CATAG

Restriction Sites: SgfI-MluI

ACCN: NM_001052

Insert Size: 1310 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001052.1
RefSeq Size:	1167 bp
RefSeq ORF:	1310 bp
Locus ID:	6754
UniProt ID:	P31391
Cytogenetics:	20p11.21
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	46.9 kDa
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. SSTR4 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in fetal and adult brain and lung. [provided by RefSeq, Jul 2008]