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Product datasheet for SC336003

Somatostatin Receptor 3 (SSTR3) (NM_001278687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin Receptor 3 (SSTR3) (NM_001278687) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSTR3
Synonyms:	SS-3-R; SS3-R; SS3R; SSR-28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC336003 representing NM_001278687.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACATGCTTCATCCATCATCGGTGTCCACGACCTCAGAACCTGAGAATGCCTCCTCGGCCTGGCCC
CCAGATGCCACCCTGGGCAACGTGTCGGCGGGCCCAAGCCCGGCAGGGCTGGCCGTCAGTGGCGTTCTG
ATCCCCCTGGTCTACCTGGTGGTGTGCGTGGTGGGCCTGCTGGGTAACTCGCTGGTCATCTATGTGGTC
CTGCGGCACACGGCCAGCCCTTCAGTCACCAACGTCTACATCCTCAACCTGGCGCTGGCCGACGAGCTC
TTCATGCTGGGGCTGCCCTTCCTGGCCGCCCAGAACGCCCTGTCCTACTGGCCCTTCGGCTCCCTCATG
TGCCGCCTGGTCATGGCGGTGGATGGCATCAACCAGTTCACCAGCATATTCTGCCTGACTGTCATGAGC
GTGGACCGCTACCTGGCCGTGGTACATCCCACCCGCTCGGCCCGCTGGCGCACAGCTCCGGTGGCCCGC
ACGGTCAGCGCGGCTGTGTGGGTGGCCTCAGCCGTGGTGGTGCTGCCCGTGGTGGTCTTCTCGGGAGTG
CCCCGCGGCATGAGCACCTGCCACATGCAGTGGCCCGAGCCGGCGGCGGCCTGGCGAGCCGGCTTCATC
ATCTACACGGCCGCACTGGGCTTCTTCGGGCCGCTGCTGGTCATCTGCCTCTGCTACCTGCTCATCGTG
GTGAAGGTGCGCTCAGCTGGGCGCCGGGTGTGGGCACCCTCGTGCCAGCGGCGGCGGCGCTCCGAACGC
AGGGTCACGCGCATGGTGGTGGCCGTGGTGGCGCTCTTCGTGCTCTGCTGGATGCCCTTCTACGTGCTC
AACATCGTCAACGTGGTGTGCCCACTGCCCGAGGAGCCTGCCTTCTTTGGGCTCTACTTCCTGGTGGTG
GCGCTGCCCTATGCCAACAGCTGTGCCAACCCCATCCTTTATGGCTTCCTCTCCTACCGCTTCAAGCAG
GGCTTCCGCAGGGTCCTGCTGCGGCCCTCCCGCCGTGTGCGCAGCCAGGAGCCCACTGTGGGGCCCCCG
GAGAAGACTGAGGAGGAGGATGAGGAGGAGGAGGATGGGGAGGAGAGCAGGGAGGGGGGCAAGGGGAAG
GAGATGAACGGCCGGGTCAGCCAGATCACGCAGCCTGGCACCAGCGGGCAGGAGCGGCCGCCCAGCAGA
GTGGCCAGCAAGGAGCAGCAGCTCCTACCCCAAGAGGCTTCCACTGGGGAGAAGTCCAGCACGATGCGC
ATCAGCTACCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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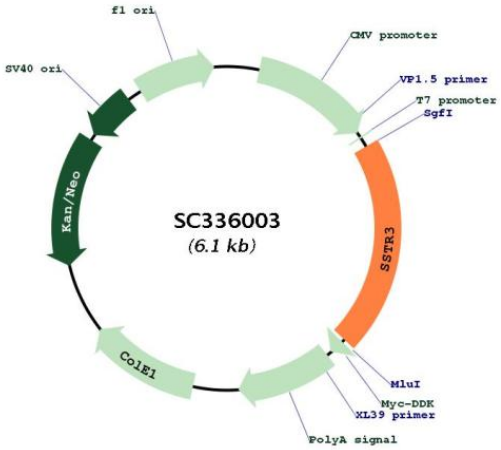
Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001278687

Insert Size: 1257 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.

RefSeq: NM_001278687.2

RefSeq Size: 3764 bp

RefSeq ORF: 1257 bp

Locus ID: 6753

UniProt ID: P32745

Cytogenetics: 22q13.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 45.8 kDa

Gene Summary: This gene encodes a member of the somatostatin receptor protein family. 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. 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 protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Transcript Variant: This variant (2) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.