

Product datasheet for SC119480

Somatostatin (SST) (NM_001048) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Somatostatin (SST) (NM_001048) Human Untagged Clone
Tag:	Tag Free
Symbol:	Somatostatin
Synonyms:	SMST; SST1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001048 edited ATGCTGTCCTGCCGCTCCAGTGC GCGCTGGCTGCGCTGCCATCGTCTGGCCCTGGCC TGTGTACCGGGCTCCCTCGGACCCAGACTCCGTGAGTTTCTGCAGAAGTCCCTGGCT GCTGCCGCGGGGAAGCAGGAAGTGGCAAGTACTTCTTGCCAGAGCTGCTGTCTGAACCC AACCCAGACGGAAGTATGATGCCCTGGAACCTGAAGATCTGTCCAGGCTGCTGAGCAGGAT GAAATGAGGCTTGAGCTGCAGAGATCTGCTAACTCAAACCCGGCTATGGCACCCGAGAA CGCAAAGCTGGTGAAGAATTTCTTCTGGAAGACTTTACATCCTGTTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001048 unedited GGTTCACAATAGTATACGACTCACTATAGCGGGCCGCAATTGCACGAGGCATCGCTG CTGCCTGCTGATCCGCGCTAGAGTTTGACCAGCCACTCTCCAGCTCGGCTTTCGCGGCG CCGAGATGCTGTCTGCCGCTCCAGTGC GCGCTGGCTGCGCTGCCATCGTCTGGCC TGGGCTGTGTACCGGGCTCCCTCGGACCCAGACTCCGTGAGTTTCTGCAGAAGTCC TGGCTGTGCCGCGGGGAAGCAGGAAGTGGCAAGTACTTCTTGCAAGAGCTGCTGTCT GAACCAACCAGACGGAAGTATGATGCCCTGGAACCTGAAGATCTGTCCAGGCTGCTGAG CAGGATGAAATGAGGCTTGAGCTGCAGAGATCTGCTAACTCAAACCCGGCTATGGCACCC CGAGAACGCAAAGCTGGTGAAGAATTTCTTCTGGAAGACTTTACATCCTGTTAGCTT TCTTAACTAGTATTGTCCATATCAGACCTCTGATCCCTCGCCCCACACCCCATCTCTCT TCCTAATCCTCCAAGTCTTCCAGCGAGACCCTTGCAATAGAAACTGAAAAGTGAATAATAC AAAATAAAATTATGGTGAATTATGAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCG GCCGCGGTATAGCTGTTTCTGAAACAGATCCCCGGTGGCATCCCTGTGACCCCTCCCCA TGCCCTCTCTGGGCTGNAAAGTGCCACTCCAGTGCCCCCACCTTGTCTAAAAAATTA AGTTGCCCTCATTTGTCTGACTAGGTGTCCTTCTATATATTATGGNGTGGAGGCGGCGGTA TGGAAACCAAGGGCCATTCTGAAAAACACCCGTTAGCCCTGGCGGGTCTCTTTGGGAAA



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001048 unedited TGTACGCGCCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTAATAATTTACCATA ATTTATTTTGTATTTACAGTTTTTCAGTTTCTAATGCAAGGGTCTCGCTGAAGACTTGA GGATTAGGAAGATAGATGGGGTGTGGGGGCGAGGGATCAGAGGTCTGATATGGACAATA CTAGTTAAGAAAGCTAACAGGATGTGAAAGTCTCCAGAAGAAATCTTGCAGCCAGCTT TGC GTTCTCGGGTGCCATAGCCGGGTTTGAGTTAGCAGATCTCTGCAGCTCAAGCCTCA TTTCATCCTGCTCAGCAGCCTGGGACAGATCTTCAGGTTCCAGGGCATCATTCTCCGTCT GGTTGGGTTCCAGACAGCAGCTCTGCCAAGAAGTACTTGGCCAGTTCCTGCTTCCCGCGG CAGCAGCCAGGGACTTCTGCAGAACTGACGGAGTCTGGGGTCCGAGGGAGCGCCGGTGA CACAGCCAGGGCCAGGACGATGGACAGCGCATCCAGCGCCTACTGGAGGCGGCAGGACA GCATCTTCGCGCCGCAAAGCCGAGCTGGAGAGTGGCTGGCCAACTCTAAGCGCGGATC AGCAGGCAGCAGCGATGCCTCGTGCCGAATTCGCGGCCGCCCTATTGGGAGTCCGATACA AATTTCTGACGGTTACCTAAACGAGCTCTGCTTTTATTGACCTCCCACGTACACGCCTA CCCGCCTTTTGGGTAAGGGGGGGGGTTTTTACACACTTTGAAAGTCCCGTTGAATT CTTGTCGCCNAACAACTCTCATTGGACGCTAATGGGGTGGATACTTGAATATTTCCCG GGAGTTAAACCGTTTTCCACCCCTTTGTGGTCCGCCATACCGTCCCCAGGGAATATG GGTAATAATACCTAATGCCGGCAAGTATGAATCCCTAAGGTCTTTTCTGGGTCTATGCA TGGCGCGCCTTTCCCTCTTTTAGTAAATGGCGCCGACT
Restriction Sites:	NotI-NotI
ACCN:	NM_001048
Insert Size:	650 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_001048.3 , NP_001039.1
RefSeq Size:	665 bp
RefSeq ORF:	351 bp
Locus ID:	6750
UniProt ID:	P61278
Cytogenetics:	3q27.3
Domains:	Somatostatin

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Gene Summary: The hormone somatostatin has active 14 aa and 28 aa forms that are produced by alternate cleavage of the single preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-protein-coupled somatostatin receptors. This hormone is an important regulator of the endocrine system through its interactions with pituitary growth hormone, thyroid stimulating hormone, and most hormones of the gastrointestinal tract. Somatostatin also affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells. [provided by RefSeq, Jul 2008]