

Specifications:

Gene:	<i>hSSTR2</i>
Accession:	NP_001041
Insert size:	1122bp
Concentration:	10µg at 0.2µg/µL

hSSTR2 cDNA Plasmid

SSTR2 somatostatin receptor 2 [*Homo sapiens*]

Also known as:

Summary:

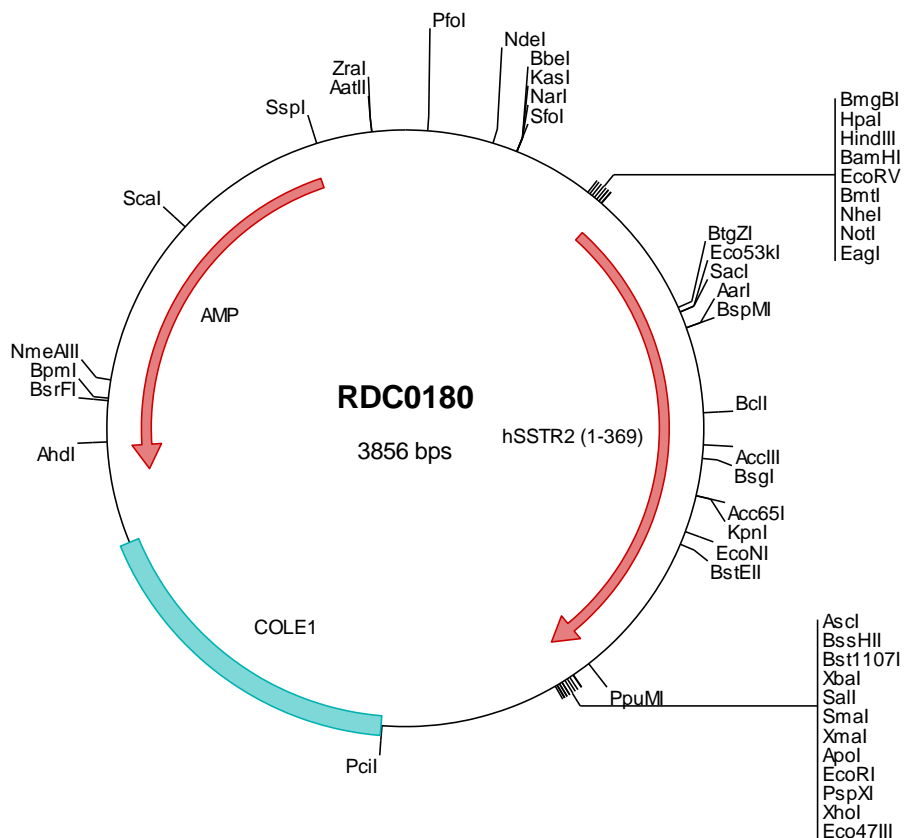
SSTR2 is a receptor for somatostatins-14 and -28. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0180 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccgagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgccacc atggacatgg cggatgagcc actcaatgga agccacacat ggcctatocat
501 tccatttgac ctcaatggct ctgtgtgtgc aaccaacacc tcaaacaga cagagccgta ctatgacctg acaagcaatg cagtctccac atctatctat
601 ttgtgtgtct gcatoatggt gttgtgtgtg aacacacttg toatttatgt catctccgc tatgccaaga tgaagaccat caccaacatt tacatctca
701 acctggccat cgcagatgag ctcttcacgc tgggtctgcc tttcttggct atgcagggtg ctctgttcca ctggcccttt ggcaaggcca tttgcccggg
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2101 aaccgcacag gactataaag ataccaggcg tttcccctct gaagctcctc cgtgctctct cctgttccga ccctgccgct taccggatac ctgtccgctc
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2301 cccgttccag ccgacccgct gcgctttatc cggtaactat cgtcttgaat ccaaccgggt aagacacgac ttatcgccac tggcagcagc cactggtaac
2401 aggattagca gagcagagta tgtaggcggg gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttggg atctcgcctc
2501 tgctgaagcc agttaccttc gaaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cgggtgtttt tttgtttgca agcagcagat
2601 tacgcgcaga aaaaaaggat ctcaagaaga tcttttgatc ttttctacgg ggtctgacgc tcagtggaaac gaaaactcac gtttaaggat tttggtcatg
2701 agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttgtgtc gacagttacc
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3501 accgctgttg agatccagtt cagatgaacc cactcgtgca cccaactgat ctcagcatic ttttaactto accagcgttt ctgggtgagc aaaaaacagga
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3701 gtctcatgag cggatacata tttgaatgta ttagaaaaa taacaaataa ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac
3801 cattattatc atgacattaa cctataaaaa taggcgtatc acgaggcctt tctgtc

> RDC0180 Translated Insert Sequence

1 mdmadeplng shtwlsipfd lngsvvstnt snqtepyydl tsnavlftiy fvcviiglcg ntlviyvilr yakmktitni yilnliade lfmlglplfa
101 mqvalvhwpf gkaicrvvmt vdgingftsi feltvmsidr ylavvhpiks akwrrprtak mitmavwgvv llvilpimiy aglrlnqwr ssctinwpge
201 sgawytgfii ytfilglflp ltiiclylf iikvkssgi rvgskrkks ekkvtrmvsj vvavfifcwl pfyifnvsvv smaistpial kgmfdfvvvl
301 tyanscanpi lyafilsdnfk ksfqnvllclv kvsgtdgder sdskdqksrl nettetqrtl lngdlqtsi