

## Product datasheet for **SC125725**

### SCTR (NM\_002980) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCTR (NM_002980) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCTR
Synonyms:	SR
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002980 edited  
 CCCGCGCCAGTCCCTGCCGGGTGGAGGAGGCGCGCCGGCAACGCCGCGTCCCTAATCAATG  
 GGGCGGGCGGCTTAGCGCGCGCGGCCACCTGGTCCGAGGAGGAGCAGTCCCAGGGCCCGC  
 CGCAGGTCCGGTGGCTCAGCCATGGCTCCTCGGGGCGCAGCGGCCGGCCGAGCCCGGGA  
 CCCTGCGCGGGCGCTGAGCTCCCGAGCGGGCAGAGGGCAGGGCAGGGCAGCGGACGTCCGGG  
 CGCCCTCGGGGAACGTGCGGGCACCATGCGTCCCACCTGTCGCCGCGCTGCAGCAGCT  
 ACTACTGCCGGTGTCTGCTGCGCTGCGCGCAGTCCGACTGGAGCCCTTCCCCGACTATG  
 TGACGTGCTACAAGTGTGTGGGAAGAGCAAGACCAGTGCCTGCAGGAACCTCCAGAGA  
 GCAGACAGGAGACCTGGGCACGGAGCAGCCAGTCCAGGTTGTGAGGGATGTGGGACAA  
 CATAAGCTGCTGGCCCTTCTGTGCCGGGCCGGATGGTGGAGGTGGAATGCCCGAGATT  
 CCTCCGGATGCTCACCAGCAGAAATGGTTCCTTGTTCGAAACTGCACACAGGATGGCTG  
 GTCAGAAACCTTCCCCAGGCCTAATCTGGCCTGTGGCGTAAATGTGAACGACTCTTCCAA  
 CGAGAAGCGGCACTCCTACCTGCTGAAGCTGAAAGTCATGTACACCGTGGGCTACAGCTC  
 CTCCTGGTCATGCTCCTGGTCGCCCTTGGCATCCTCTGTGCTTCCGGAGGCTCCACTG  
 CACTCGCAACTACATCCACATGCACCTGTTGTCGTCCTTTCATCCTTCGTGCCCTGTCCAA  
 TTCATCAAGGAGCGCGTCTTCTCCTCAGATGATGTACCTACTGCGATGCCACAG  
 GCGGGGTGCAAGCTGATCATGGTGTGTTCCAGTACTGCATCATGGCCAACTACTCCTG  
 GCTGCTGGTGGAAAGCCTCTACCTTACACACTCCTCGCCATCTCCTTCTCTGAAAG  
 AAAGTACCTCCAGGGATTTGTGGCATTCCGATGGGGTTCTCCAGCCATTTTTGTGCTTT  
 GTGGGCTATTGCCAGACACTTTCTGGAAGATGTTGGGTGCTGGGACATCAATGCCAACGC  
 ATCCATCTGGTGGATCATTGCTGGTCTGTGATCCTCTCCATCCTGATTAATTTTCATCCT  
 TTTATAAACATTCTAAGAATCCTGATGAGAAACTTAGAACCAAGAAACAAGAGGAAA  
 TGAAGTCAGCCATTATAAGCGCCTGGCCAGTCCACTCTCTGCTGATCCCCCTTTTGG  
 CATCCACTACATGCTCTTCGCTTCTCCAGAGGACGCTATGGAGATCCAGCTGTTTTT  
 TGAAGTAGCCCTTGGCTATTCCAGGACTGGTGGTGGCCGTCCTCTACTGCTTCTCAA  
 CGGGGAGGTGCAGCTGGAGGTTGAGAAGAGTGGCAGCAATGGCACCTCCGTGAGTTCCC  
 ACTGCACCCCGTGGCCTCCTTCCAGCAACAGCACCAAGGCCAGCCACTTGGAGCAGAGCCA  
 GGGCACCTGCAGGACCAGCATCATCTGAGAGGCTGGAGCAGGGTACCCATGGACAGAGA  
 CCAAGAGAGGTCCTGCGAAGGCTGGGCACTGCTGTGGACAGCCAGTCTTCCAGCAGAC  
 ACCCTGTGCTCCTTCCAGCTGAAGATGCCCTCCCGAGGCTTGGACTTTCGGAAGGG  
 ATGTGAGGCACTGTGGGACAGGACAAGGGCCTGGGATTTGGTTTCTTCTTCTGGGA  
 AGAGAAGTTCAGGGTCCAGAAAGGGACAGGAAATAAATGGTGCCTGGGATGAGATTC  
 AA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_002980 unedited  
 NNNTTTTCGGTTCACATTTTGTNATACGACTCATATAGGGCGCCGCGNATTCANTACTG  
 GTACCGGTCCGGAATCCCGGGATCCCGCGCCAGTCCCTGCCGGTGGAGGAGGCGCGCC  
 GGCAACGCCCGTCCCTAATCAATGGGGCGGGCGGCTTAGCGCGCGCGCCACCTGGTCCG  
 AGGAGGAGCAGTCCCGGGCCCGCCGAGTCCGGTGGCTCAGCCATGGCTCCTCGGGG  
 GCAGCGCGCGCCGAGCCCGGGACCCTGCGCGGGGCGCTGAGCTCCCGAGCGGGCAGAG  
 GGCACGGGCGAGCGGACGTCCGGGCGCCCTCGGGGAACGTGCGGGCACCATGCGTCCCCA  
 CCTGTCCCGCCGCTGCAGCAGCTACTACTGCCGGTGTGCTCGCTGCGCCGCGCACTC  
 GACTGGAGCCCTTCCCCACTATGTGACGTGCTACAAGTGTGTGGGAAGAGCAAGACCA  
 GTGCTGCAGGAACCTCCAGAGAGCAGACAGGAGACCTGGGCACGGAGCAGCCAGTGCC  
 AGTTGTGAGGGATGTGGGACAACATAAGCTGCTGGCCCTTCTGTGCCGGGCGGGAT  
 GGTGGAGGTGGAATGCCGAGATTCCCTCCGGATGCTCACCAGCAGAAATGGTTCTTGT  
 CCGAAACTGCACACAGGATGGCTGGTGCAGAAACCTTCCCCAGGCCTAATCTGGCCTGTGG  
 CGTTAATGTGAACGACTTTCACAGAGAAGCGGCACTCCTACCTGCTGAAGCTGANAGT  
 CATGTACACCGTGGGCTACAGCTCCTCCCTGGTCATGCTCCTGGTGCCTTGGCATCCT  
 CTGTGCTTTCCA

**Restriction Sites:** NotI-NotI

<b>ACCN:</b>	NM_002980
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002980.1</a> , <a href="#">NP_002971.1</a>
<b>RefSeq Size:</b>	1703 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	6344
<b>UniProt ID:</b>	<a href="#">P47872</a>
<b>Cytogenetics:</b>	2q14.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	The protein encoded by this gene is a G protein-coupled receptor and belongs to the glucagon-VIP-secretin receptor family. It binds secretin which is the most potent regulator of pancreatic bicarbonate, electrolyte and volume secretion. Secretin and its receptor are suggested to be involved in pancreatic cancer and autism. [provided by RefSeq, Jul 2008]