

Product datasheet for **RN204000**

Sctr (NM_031115) Rat Untagged Clone

Product data:

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|--------------------|-------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Sctr (NM_031115) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Sctr |
| Synonyms: | MGC93381 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN204000 representing NM_031115
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAGCACCATGAGACCCCGCTGTCCCTGCTTCTGCTGAGGCTGTTGCTGCTCACCAAAGCAGCGC
 ACACCGTTGGAGTCCGCCCCGACTGTGTGACGTGCGGGCTGTGCTGCTTGGAGAACGGGCCACTGCCT
 ACAGCAACTCTCAAAGAGAAGAAAGGAGCACTGGGCCCGGAGACAGCATCAGGCTGTGAGGGGCTTTGG
 GACAACATGAGCTGCTGGCCCTCCTCTGCACCAGCACGGACAGTGAAGTGCAGTGTCCGAAGTCTCTCC
 TGATGCTCTCAAACAAAATGGGTCTCTGTTCCGGAAGTGCACACAAGATGGATGGTCAGAAACCTTCCC
 CAGGCCTGACCTGGCCTGTGGGTCAACATAAACTCCTTTAATGAGAGACGGCATGCGTACCTGCTG
 AAACCAAGGTGATGACTGTAGGCTACAGTTCCTCCTGGCCATGCTCCTGGTCGCCCTCAGCATCC
 TGTGCTCTTCCGAGGCTGCATGCACTCGCAACTACATCCACATGCACCTGTTTCGTGCTCCTCATCCT
 GCGCGCCCTGTCCAATTCATCAAGGACGCCGACTCTTCTCCTCGGACGACGTACCTACTGTGATGCC
 CATAAGGTGGGCTGCAAGCTGGTCATGATCTTCTCCAGTACTGCATCATGGCCAACTACGCATGGCTGC
 TGGTGGAGGGCCTCTACCTTCACACACTCCTTGCCATCTCCTTCTTCTCAGAAAGGAAGTACCTGCAGGC
 CTTTGTGCTCCTCGGATGGGGTTCTCCAGCCATTTTGTGCTTTGTGGGCTATCACCAGGCACTTTCTA
 GAAAATACTGGATGCTGGGACATCAACGCCAATGCTTCCGCTGTGGTGGTTCATTGAGGGCCTGTGATTC
 TGTCATCCTGATCAATTCATCTTCTTCAAAACATTCTAAGAATCCTGATGAGGAACTTAGAACACA
 AGAAACAAGAGGAAGTGAACAAACCATTATAAGCGCCTGGCCAAGTCCACCCTCCTGCTGATCCCGCTC
 TTTGGCATCCACTACATTGTCTTCGCCTTCTCCCAGAGGACGCCATGGAGGTCCAGCTGTTCTTCAAC
 TGGCCCTGGGCTCCTCCAGGGTCTGGTGGTAGCTGCTTACTGCTTCCCTCAATGGTGAAGTGCAGTT
 GGAAGTTCAGAAAAAATGGCGCCAGTGGCACCTTCAAGAGTTCGCGCTGCGCCCTGTGGCCTTCAATAAC
 TCCTTCAGCAACGCCACCAACGGCCCCACCCACAGCACCAAGGCTAGCACTGAGCAAAGCCGGAGCATCC
 CCAGGGCCAGTATCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031115

Insert Size: 1350 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_031115.1](#), [NP_112377.1](#)

RefSeq Size: 1796 bp

RefSeq ORF: 1350 bp

Locus ID: 81779

UniProt ID: [P23811](#)

Cytogenetics: 13q11

Gene Summary: G-protein coupled receptor that binds secretin and induces cAMP production; mediates secretin induction of pancreatic secretion of bicarbonate, enzymes, and potassium ion [RGD, Feb 2006]