

Product datasheet for **RN201679**

Stc2 (NM_022230) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stc2 (NM_022230) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201679 representing NM_022230 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGCGGAGCGGCTGGGCCAGTTCGTGACCCTGGCTTTGGTGTGGCCACCTGGACCCCTGCGCGAG
GGACGGACTCCACGAACCCTCCGAAGGTCCCCAAGACAGGGGCTCCAGCAGAAAGCCGCCTGTCCT
GCAGAACACAGCGGAGATCCAGCACTGTTGGTCAACCCGGGACGTGGGGTGTGGTGTGGTGTGGTGT
TTCGAGAACAACCTTTGTGAAATCCAGGGCTTACATGGGATTTGCATGAGTTTCTGCACAACGCTGGAA
AATTTGATGCCAGGGCAAGTCATTCATCAAGGATGCCCTGAGGTGCAAGGCCCATGCCCTGCGGCATAA
ATTTGGCTGCATCAGCAGGAAGTGTCCGGCAATTAGGAAATGGTTTACCAGTTGCAGAGGGAATGCTAT
CTCAAGCACGACCTGTGCTCGGCAGCGCAGGAGAACGTCGTCGTGATTGTGGAGATGATTCATTTCAAGG
ATCTCCTGCTGCATGAACCCTACGTGGACCTTGTAAACCTGCTGCTGACCTGTGGGAAGACGTGAGGGA
GGCGGTCACCCGAAGCGTCCAGGCTCAGTGTGAACAGAGCTGGGAGGCCTCTGCTCCATCCTGAGTTTC
TGCACCTCAACATACAGAGACCCCTACCGCAGCCCGGAGCATCAGCCCTGGCAGACAGGGCCACGC
TCTCCAGACCTTACCACCGGGACACCGACCACCTAACAGCCAACAGAGGTGCCAAGGGTGAAGCGAGG
GAGCAAAAGCCACCTGCATGCCATGCTCGAGGCGGAGCAGGTGGCCAGAGTGCCCAAGGACCTCTGGA
AGCAGTGAGTGGGAAGACGAACAGTCTGAGTATCCGACATCCGGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_022230
Insert Size:	891 bp



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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:	<u>NM_022230.2, NP_071566.1</u>
RefSeq Size:	910 bp
RefSeq ORF:	891 bp
Locus ID:	63878
UniProt ID:	<u>Q9R0K8</u>
Cytogenetics:	10q12
Gene Summary:	has opposite effects on calcium and phosphate homeostasis as compared to Stc1 [RGD, Feb 2006]