

## Product datasheet for **RN213324**

### **Stc1 (NM\_031123) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stc1 (NM_031123) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213324 representing NM_031123 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCTCCAAAACCTCAGCAGTGATTCTGGCGCTGGTCATCAGTGCTGCTGCAGCTCAGGAGCGGAACAGA  
ATGATTCTGTGAGCCCCAGAAAATCCCGGGTGGCGGCTCAAATTCAGCTGAAGTGGTCCGCTGCCTCAA  
CAGTGCCCTACAGTTGGCTGTGGGGCTTTGTCATGCCTGGAAAACCTCCACATGTGACACAGATGGGATG  
TACGACATTTGTAATCCTTCTTGTACAGTGCTGCTAAATTTGACACTCAGGGAAGCATTTGTCAAAG  
AGAGCTTAAAGTGCATCGCCAATGGGATCACCTCCAAGTCTTCCCTTGCATTTCGAGGTGTTCTACTTT  
CCAGAGGATGATCGCCGAGGTGCAGGAGGACTGCTACAGCAAGCTCAATGTTTGCAGCATTGCCAAGCGC  
AACCCGGAAGCCATCACTGAAGTCATACAGCTGCCAATCACTTCTCCAACAGATACTACAACAGACTTG  
TCCGAAGCCTTCTGGAATGTGATGAAGATACGGTCAGCACAATCAGAGACAGCCTGATGGAGAAGATCGG  
GCCCAACATGGCCAGCCTCTTCCATATCCTGCAGACAGACCCTGTGCCAGACACACCCAGAGCTGAC  
TTCAATAGGAGGGCGACAAATGAGCCACAGAAGCTGAAAGTCTCCTCAGGAACCTCCGAGGTGAGGGGG  
ATTCTCCCTCACACATCAAACGCACCTCCAAGAGAATGCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031123
Insert Size:	744 bp



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<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_031123.2</a> , <a href="#">NP_112385.1</a>
<b>RefSeq Size:</b>	2463 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	81801
<b>UniProt ID:</b>	<a href="#">P97574</a>
<b>Cytogenetics:</b>	15p11
<b>Gene Summary:</b>	calcium/phosphate-regulating protein; involved in stimulating osteoblast differentiation [RGD, Feb 2006]