

## Product datasheet for **MG204086**

### Stc2 (NM\_011491) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stc2 (NM\_011491) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Stc2  
**Synonyms:** AW125853; mustc2; Stc-2; Stc2l  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG204086 representing NM\_011491  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGTGCGGAGCGGCTGGGCCAGTTTGTGACCCTGGCTTTGGTGTGGCCACCTTGACCCGGCGCAGG  
 GGACGGACTCCACGAACCCTCCGGAAGTCCCCAAGACAGGAGCTCGCAGCAGAAAGGCCGTCTGCCCT  
 GCAGAACACAGCGGAGATCCAGCACTGTTGGTCAATGCCGGGACGTGGGCTGTGGTGTGTTGAGTGT  
 TTCGAGAACAACTCTTGTGAAATCCAGGGTTTACATGGGATTTGCATGACGTTTCTGCACAACGCTGGAA  
 AATTCGATGCCAGGGAAAGTCATTCATCAAGGATGCCCTGAGGTGCAAGGCCATGCCCTGCGGCATAA  
 ATTTGGCTGCATCAGCAGGAAGTGTCCAGCAATTAGGGAAATGGTTTTCCAGTTGCAGAGGGAATGCAT  
 CTGAAGCATGACCTGTGCTCCGCAGCCCAGGAGAACGTCGGTGTGATTGTGGAGATGATTCATTTCAAGG  
 ATCTCCTGCTGCATGAGCCCTATGTGGACCTTGTGAACCTGCTGCTGACCTGCGGGGAAGATGTGAAGGA  
 GGCAGTCAACCGCAGCGTCCAGGCTCAGTGTGAACAGAGCTGGGGAGGCCCTCTGCTCCATCCTGAGTTTC  
 TGCACCTCCAACATACAGAGACCTCCCACGGCAGCCCCAGAGCATCAGCCCCTGGCAGACAGGGCTCAGC  
 TCTCCAGGCTCACCACCGGGACACAGACCATCACCTAACAGCCAACAGAGGTGCCAAGGGTGAGCGAGG  
 GAGCAAAAGCCACCCGAATGCCATGCTCGAGGCAGAACCAGTGGCCAGAGCGCTCAGGGACCCTCTGGA  
 AGCAGTGTGGGAAGATGAACAGTCTGAGTATTCCGACATCCGGAGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG204086 representing NM\_011491  
 Red=Cloning site Green=Tags(s)

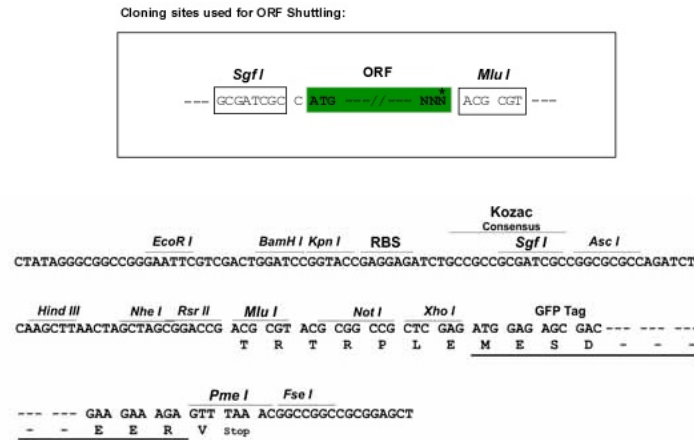
MCAERLGQFVTLALVFATLDPAQGT DSTNPPEGPQDRSSQKGRSLSLQNTAEIQHCLVNAGDVGCGVFEC  
 FENNSCEIQGLHGICMTFLHNAGKFDAQKSF IKDALRCKAHALRHKFGCISRKCPAIREMVFQLQRECY  
 LKHDLCSAAQENVGVIVEMIHFKDLLLLHEPYVDLVNLLLTCGEDVKEAVTRSVQAQCEQSWGGLCSILSF  
 CTSNIQRPPPTAAPEHQPLADRAQLSRPHHRDTHHLLTANRGAKGERGSKSHPNAHARGRTGGQSAQGPSG  
 SSEWEDEQSEYSDIRR

TRTRPLE - GFP Tag - V

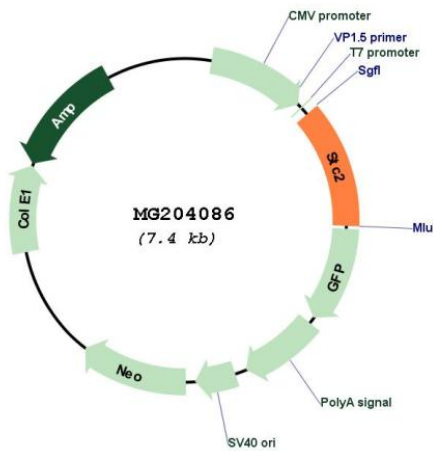
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_011491

**ORF Size:** 888 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_011491.2</a>
<b>RefSeq Size:</b>	1793 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	20856
<b>UniProt ID:</b>	<a href="#">O88452</a>
<b>Cytogenetics:</b>	11 A4
<b>Gene Summary:</b>	Has an anti-hypocalcemic action on calcium and phosphate homeostasis.[UniProtKB/Swiss-Prot Function]