

Product datasheet for **MG203105**

Stc1 (NM_009285) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stc1 (NM_009285) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Stc1
Synonyms: Stc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203105 representing NM_009285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCAAAACCTCAGCAGTGATTCTGGCGCTGGTCATCAGTGCAGCTGCAGCGCACGAGGCGGAACAAA
 ATGATTCTGTGAGCCCCAGAAAATCCCGGGTGGCGGCTCAAATTCAGCTGAAGTGGTTCGCTGCCTCAA
 CAGTGCCTGCAGGTTGGCTGCGGGCTTTTGCATGCCTGGAAAACCTCCACATGTGACACAGATGGGATG
 TACGACATTTGTAATCCTTCTTGTACAGTGTCTAAATTTGACACTCAGGAAAAGCATTGTCAAAG
 AGAGCTTAAAGTGCATCGCCAATGGGATCACCTCCAAGTATTCTTGCATTTCGGAGGTGTTTCGACTTT
 CCAGAGGATGATCGCCGAGGTGCAGGAGGACTGCTACAGCAAGCTTAACGTTTGCAGCATCGCCAAGCGC
 AACCCGGAAGCCATCACTGAAGTCATACAGCTGCCAATCACTTCTCAAACAGATACTACAACAGACTTG
 TCCGAAGCCTTCTGGAATGTGATGAAGACACGGTCAGTACAATCAGAGACAGCCTGATGGAGAAGATCGG
 GCCCAACATGGCCAGCCTCTCCACATCCTGCAGACAGACCAGTGTGCCAGACACACCCAGAGCTGAC
 TTCAATAGGAGGCGCACAAATGAGCCACAGAAGCTGAAAGTCTCCTCAGGAACCTCCGAGGTGAGGGGG
 ACTCTCCCTCACACATCAAACGCACCTCCAAGAGAGTGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203105 representing NM_009285
Red=Cloning site Green=Tags(s)

MLQNSAVILALVISAAAHEAEQNDSVSPRKSrvAAQNSAEVVRCLNSALQVGGAFACLENSTCDTDGM
 YDICKSFLYSAAKFDTQGKAFVKESLKCiangITSKVFLAIRRCSTFQRMIAEVQEDCYSKLNVCsIAKR
 NPEaITEVIQLPNHFSNRYYNRLVRSLLCEDEDTVSTIRDslMEKIGPNMASLFHILQTDHCAQTHPRAD
 FNRRRTNEPQKLKvLLRNLRGEGDSPSHIKRTSQESA

TRTRPLE - GFP Tag - V

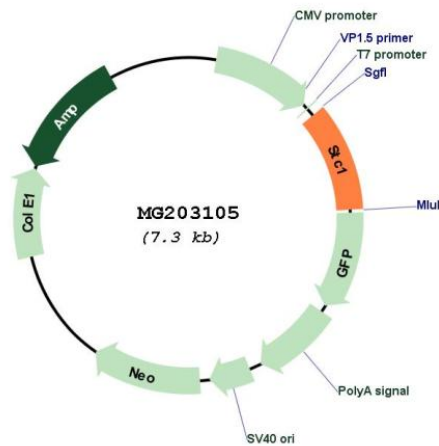
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009285

ORF Size: 741 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_009285.3 , NP_033311.3
RefSeq Size:	3743 bp
RefSeq ORF:	744 bp
Locus ID:	20855
UniProt ID:	O55183
Cytogenetics:	14 D2
Gene Summary:	Stimulates renal phosphate reabsorption, and could therefore prevent hypercalcemia. [UniProtKB/Swiss-Prot Function]