

## Product datasheet for **MG213783**

### Smco3 (NM\_001039558) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smco3 (NM_001039558) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Smco3
Synonyms:	C030030A07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213783 representing NM_001039558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAGAGTGACTTCCTCTACCCACAAAACCCAAGGAGGCGACAGGAAGTAAACCGCCTTCACCAGC  
AGCTGCTGGACTGCTTGCTGACAGCTTCCAGGTACCAACAAGCTCACAGGGTTCTTAATACCCACTT  
GGGTTGCAGGCTGGCCTTCATTGAAATGAAAAGCGATGGAACCATCAAAGAAAAGTGTGACATCATTATC  
CAAGCCATGACAAAAATCAAAAGGAAGTCAAAAAGATTGACGAGGCACTGAAAGACCAACTAGAGCCAA  
CCCTTTATAGGAAGCTGCAGGATATTAAGGAAAGGAGACGGAGAAGATTGCCATCGTGCAGAAGGTCAT  
TTCTGTATCCTGGGAGAAGCTACATCTGCAGCCAGTGCAGTGGCTGTTAACTGGTGGGCTCAAGTGTC  
ACAACTGGCATAATTAGCAAGCTGGTCTCTGTGCTAGCTCACATCGGGACTTCTCTCCTTGGAAAGCATTG  
GCGTTGCCGTGCTCAGCCTCGGGATAGATATGATCATTCAAGCCATCTTGGGAGCAGTGGAGAGGACACA  
GCTTCAGGCAGCCATCAAAGTTATGAGAAGCACCTGGAGGAGTTCAAGGCTGCCTCAGCAAAGTACCAT  
CATGCTATCACTGAGGTTGCCACTGCTGTGAAGCGCCAGCTAAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG213783 representing NM\_001039558  
Red=Cloning site Green=Tags(s)

MAQSDFLYPQNPRRRQEVNRLHQQLDCLSDSFQVTNKL TGVLNTHLGCRLAFIEMKSDGTIKENCIII  
 QAMTKIQKELQKIDEALKDQLEPTLYRKLQDIKERETEKIAIVQKVISVILGEATSAASAVAVKLVGSSV  
 TTGIISKLVSVLAHIGTSLGSGIVAVLSLGDIMIIQAILGAVERTQLQAAIKSYEKHLEEFKAASAKYH  
 HAITEVATAVKRQLR

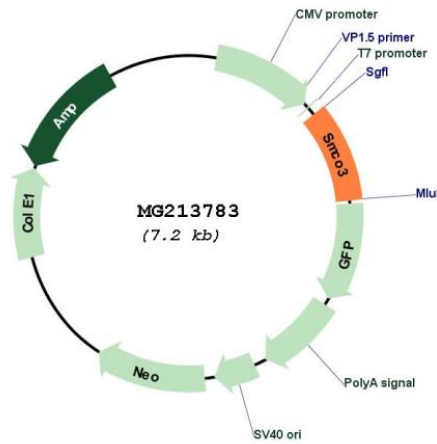
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001039558

**ORF Size:** 675 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_001039558.2</a> , <a href="#">NP_001034647.2</a>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	678 bp
<b>Locus ID:</b>	654818
<b>UniProt ID:</b>	<a href="#">Q8BQM7</a>
<b>Cytogenetics:</b>	6 G1