

## Product datasheet for **MG207013**

### Smap1 (BC006946) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Smap1 (BC006946) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Smap1  
**Synonyms:** 1700056O10Rik; 4921514B13Rik; 4921525H11Rik; AI462175  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG207013 representing BC006946  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCGACACGCTCCTGTCTGGGAGAAGGCTCAGAAGCTGAACGAGCAGCACCAGCTCATCCTGTCCAAAC  
 TGCTGAGGGAGGAGGACAACAAGTACTGCGCCGACTGCGAGGCCAAAGTCCCGATGGGCTTCTGGAA  
 TATTGGTGTGTTTATTTGCATCAGATGTGCTGGAATTCATAGAAATCTTGGGGTTCATATATCCAGAGTC  
 AAGTCAGTCAACCTAGACCAATGGACACCAGAACAGATACAGTGCATGCAAGATATGGGAAATACTAAAG  
 CAAGACTACTTTATGAAGCCAATCTTCCAGAGAACTTTGGAAGACCACAGACAGATCAAGCAGTAGAGTT  
 TTTTCATCAGAGATAAATATGAAAAGAAGAAATACTATGATAAAAAATGCAATAGCTATCACAAATAAGAA  
 AAGGAAAAAAAAAAGGACGAGAAAAAGAGAAAAAGGAGCCAGAAAAGCCTGCAAAAACCTAACAACCGG  
 AAAAGCTGCCGAAGAAAGAGCAACAACCTTGAGCCTAAGAAAAGCACCAGCCAAAAAATGCTGCAGA  
 GCCCACTATTGATCTTCTAGGACTTGTGGTCTGCTGAGGCACCCGTGACCAATGGAAACCCAGCCACA  
 GCGCCAGCCCTGAGTGATGATCTGGACATTTTGGACCAATGATTCTAACCCCTTACCTGCAGCTGTCA  
 TGCCCCGGCTCAGGGGACTGCCTCCGTACCAGCACCTGCTACCTGTCTACCGTTACATCTGGGGACCT  
 GGATCTGTTTACTGAGCAAACACTCAAAGTCAGAAGAAGTAGCAAAGAAACAACCTCCTCAAGACTCCATC  
 TTATCTCTGTATGGTACAGGAGCACAGCAAAGCACTCCTGGTGTGTTTATGGGACCCACAATATACCAT  
 TTACCTACAAGCACCAGCTGCATTTCAAGGTTTTCTTCCATGGGCGTCCCAGTGCCTGCAGCTCCCGG  
 TCTTATAGGAAATATGATGGGACAGAATACTGGCATGATGGTGGGCATGCCATGCACAATGGGTTTCATG  
 GGAAACGCACAGACTGGAGTGATGCCACTTCTCAGAATGTTGTTGGCCCTCAGGGAGGAATGGTGGGAC  
 AAATGGGTGCACCACAGAGTAAGTTCGGCTTGCCACAAGCCAGCAGCCTCAGTGGAACTCTCACAGAT  
 GAATCAGCAGATGGCTGCCATGAACCTCAGTAGTGCTAACGCTAGTGCAGGTTTTGGCCAGCCTCCAGC  
 ACGACAGCAGGGTGGTCTGGAAGCTCATCGGGCAGACGCTGAGCACACAGCTGTGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207013 representing BC006946  
 Red=Cloning site Green=Tags(s)

MATRSCREKAQKLNEQHQLILSKLLREEDNKYCADCEAKGPRWASWNIGVVICIRCAGIHRNLGVHISRV  
 KSVNLDQWTEQIQCMQDMGNTKARLLYEANLPENFRPQTDQAVEFFIRDKYEKKKYYDKNAIAITNKE  
 KEKKKDEKKREKEPEKPAKPLTTEKLPKKEEQQLPEPKKSTSPKNAAEPTIDLLGLDGPAPVTNGNPAT  
 APALSDDLDFGPMISNPLPAAVMPPAQGTASVPAPATLSTVTSGLDLDFTEQTTKSEEVAKKQLSKDSI  
 LSLYGTGAQQSTPGVFMGPTNIPFTSQAPTAFAQGFP SMGVPVPAAPGLIGNMMGQNTGMMVGMPPHNGFM  
 GNAQTGMPLPQNVVGPQGGMVGMPGAPQSKFGLPQAQQPQWNLSQMNQMAAMNLSANASAGFGQPPS  
 TTAGWSGSSSQTLSTQLWK

TRTRPLE – GFP Tag – V

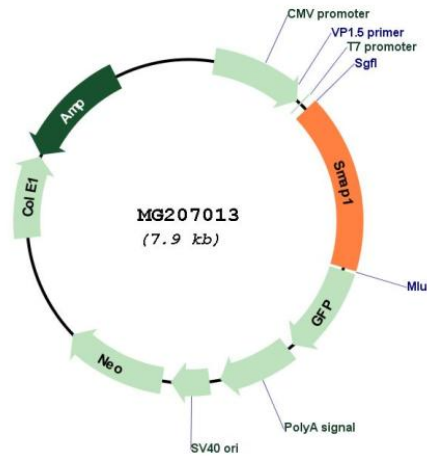
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC006946

<b>ORF Size:</b>	1322 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="#">BC006946</a> , <a href="#">AAH06946</a>
<b>RefSeq Size:</b>	2286 bp
<b>RefSeq ORF:</b>	1322 bp
<b>Locus ID:</b>	98366
<b>Cytogenetics:</b>	1 A5
<b>Gene Summary:</b>	GTPase activating protein that acts on ARF6. Plays a role in clathrin-dependent endocytosis. May play a role in erythropoiesis.[UniProtKB/Swiss-Prot Function]