

## Product datasheet for **MR229453**

### Smap1 (NM\_001290683) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Smap1 (NM\_001290683) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Smap1  
**Synonyms:** 1700056O10Rik; 4921514B13Rik; 4921525H11Rik; AI462175  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229453 representing NM\_001290683  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAAGATATGGGAAATACTAAAGCAAGACTACTTTATGAAGCCAATCTTCCAGAGAAGTTTCGAAGAC  
CACAGACAGATCAAGCAGTAGAGTTTTTCATCAGAGATAAATATGAAAAGAAGAAATACTATGATAAAAA  
TGCAATAGCTATCACAAATAAGAAAAGGAAAAAAAAAAGGACGAGAAAAAGAGAAAAAGGAGCCAGAA  
AAGCCTGCAAAACCACTAACAACGAAAAGCTGCCGAAGAAAGAAGAGCAACAACCTTGAGCCTAAGAAAA  
GCACCAGCCAAAAAATGCTGCAGAGCCCACTATTGATCTTCTAGGACTTGATGGTCTGCTGAGGCACC  
CGTGACCAATGGAAACCCAGCCACAGCGCCAGCCCTGAGTGATGATCTGGACATTTTTGGACCAATGATT  
TCTAACCCTTTACCTGCAGCTGTCTGCCCCGGCTCAGGGGACTGCCTCCGTACCAGCACCTGCTACCC  
TGTCTACCGTTACATCTGGGGACCTGGATCTGTTACTGAGCAAACACAAAGTCAGAAGAAGTAGCAA  
GAAACAACCTCTCCAAAGACTCCATCTTATCTGTATGGTACAGGAGCACAGCAAAGCACTCCTGGTGTG  
TTTATGGGACCCACAAATATACCATTTACCTACAAGCACCGACTGCATTTCAAGGTTTTCTTCCATGG  
GCGTCCCAGTGCCTGCAGCTCCCGTCTTATAGGAAATATGATGGGACAGAATACTGCGATGATGGTGGG  
CATGCCCATGCACAATGGGTTTCATGGGAAACGCACAGACTGGAGTGATGCCACTTCTCAGAATGTTGTT  
GGCCCTCAGGGAGGAATGGTGGGACAAATGGGTGCACCACAGAGTAAGTTCGGCTTGCCACAAGCCAGC  
AGCCTCAGTGGAACTCTCACAGATGAATCAGCAGATGGCTGCCATGAACCTCAGTAGTCTAACGCTAG  
TGCAGGTTTTGGCCAGCCTCCCAGCACGACAGCAGGGTGGTCTGGAAGCTCATCGGGCAGACGCTGAGC  
ACACAGCTGTGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR229453 representing NM\_001290683  
 Red=Cloning site Green=Tags(s)

MQDMGNTKARLLYEANLPENFRPQTDQAVEFFIRDKYEKKKYYDKNAIAITNKEKEKKKDEKKREKEPE  
 KPAKPLTTEKLPKKEEQQLPEKKSTSPKNAAEPTIDLLGLDGPAEAPVTNGNPATAPALSDDLIDIFGPMI  
 SNPLPAAVMPPAQGTASVPAPATLSTVTSGLDLDFTEQTTKSEEVAKKQLSKDSILSLYGTGAQQSTPGV  
 FMGPTNIPFTSQAPTAFCQGFPSMGVVPVPAAPGLIGNMMGQNTGMMVGMPMHNGFMGNAQTGVMPLPQNVV  
 GPQGGMVGQMGAPQSKFGLPQAQQPQWNLSQMNQQMAAMNLSANASAGFGQPPSTTAGWSGSSSQTLT  
 TQLWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

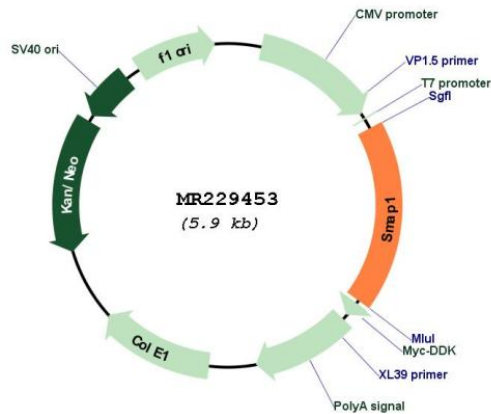
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001290683

<b>ORF Size:</b>	1065 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_001290683.1</a> , <a href="#">NP_001277612.1</a>
<b>RefSeq Size:</b>	2097 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	98366
<b>UniProt ID:</b>	<a href="#">Q91VZ6</a>
<b>Cytogenetics:</b>	1 A5
<b>MW:</b>	38.3 kDa
<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]