

## Product datasheet for **RG231209**

### SMAP2 (NM\_001198978) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SMAP2 (NM\_001198978) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SMAP2  
**Synonyms:** SMAP1L  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231209 representing NM\_001198978  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTTTTAAAGGGCCGCGATGGGCTCTTGGAAATTGGTGTTCATCTGCATTCGATGTGCTGGAA  
 TCCACAGGAATCTGGGGTGCACATATCCAGGGTAAAGTCAGTTAACCTCGACCAGTGGACTCAAGAACA  
 GATTCAGTGCATGCAAGAGATGGGAAATGGAAAGGCAAACCGACTTTATGAAGCCTATCTCCTGAGACC  
 TTTCCGGCAGCTCAGATAGACCCAGCTGTTGAAGATTTATTCGAGACAAATATGAGAAGAAGAAATACA  
 TGGACCGAAGTCTGGACATCAATGCCTTAGGAAAGAAAAGATGACAAGTGGAAAAGAGGGAGCGAACC  
 AGTTCAGAAAAAAATTGGAACCTGTTGTTTTGAGAAGGTGAAAATGCCACAGAAAAAGAACCCCA  
 CAGCTACCTCGGAAAAGCTCCCCGAAATCCACAGCGCCTGTCATGGATTTGTTGGCCTTGATGCTCCTG  
 TGGCCTGCTCCATTGCAATAGTAAGACCAGCAATACCCTAGAGAAGGATTTAGATCTGTTGGCCTCTGT  
 TCCATCCCCTTCTTCCGGTCCAGAAAGGTTGTAGGTTCCATGCCAACTGCAGGGAGTGCCGGCTCT  
 GTTCTGAAAATCTGAACCTGTTCCGGAGCCAGGGAGCAATCAGAAGAAATAGGCAAGAAACAGCTCT  
 CTAAGACTCCATTCTTCACTGTATGGATCCCAGACGCTCAATGCCTACTCAAGCAATGTTTCATGGC  
 TCCCGCTCAGATGGCATATCCACAGCCTACCCAGCTTCCCGGGGTTACACCTCTAACAGCATAATG  
 GGGAGCATGATGCCTCCACCAGTAGGCATGGTTGCTCAGCCAGGAGCTTCTGGATGGTTGCCCCATGG  
 CCATGCCTGCAGGCTATATGGGTGGCATGCAGGCATCAATGATGGGTGTGCCGAATGGAATGATGACCAC  
 CCAGCAGGCTGGCTACATGGCAGGCATGGCAGCTATGCCCCAGACTGTGTATGGGGTCCAGCCAGCTCAG  
 CAGCTGCAATGGAACCTTACTCAGATGACCAGCAGATGGCTGGGATGAACCTTCTATGGAGCCAATGGCA  
 TGATGAACTATGGACAGTCAATGAGTGGCGGAAATGGACAGGCAGCAATCAGACTCTCAGTCTCAGAT  
 GTGGAAA

**ACGGTACGGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Reconstitution Method:**

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\\_001198978.1](#), [NP\\_001185907.1](#)

**RefSeq Size:** 2488 bp

**RefSeq ORF:** 1200 bp

**Locus ID:** 64744

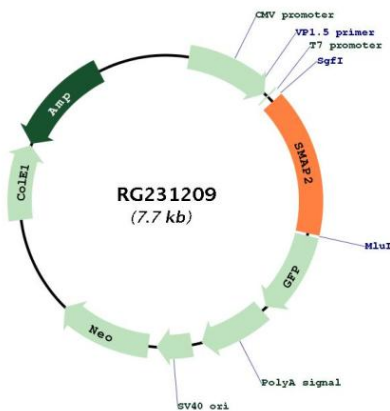
**UniProt ID:** [Q8WU79](#)

**Cytogenetics:** 1p34.2

**Protein Pathways:** Endocytosis

**Gene Summary:** GTPase activating protein that acts on ARF1. Can also activate ARF6 (in vitro). May play a role in clathrin-dependent retrograde transport from early endosomes to the trans-Golgi network (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG231209