

Product datasheet for MC211000

Smap2 (NM_133716) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Smap2 (NM_133716) Mouse Untagged Clone
Tag: Tag Free
Symbol: Smap2
Synonyms: 1810031K02Rik; AA408614; Smap1l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211000 representing NM_133716
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGGCAAGTCGGTGAAGGACGTGGATCGGTACCAGGCGTCTGGCCAACCTGCTGCTGGAGGAAG
 ATAACAAGTTCTGTGCTGACTGCCAGTCCAAGGGCCGAGATGGGCTCCTGGAACATCGGGGTGTTTCAT
 CTGCATTCGGTGTGCTGGGATCCACAGGAATTTGGGGTGCATATATCCAGGGTAAAATCAGTGAACCTC
 GACCAGTGGACTCAAGAACAGATTCAAGTGCATGCAAGAGATGGGGAATGAAAAGCAAACCGACTCTATG
 AAGCCTACCTTCCGAGACCTTTTCGGCGACCTCAGATAGACCCAGCTGTTGAAGGATTTATTCGAGATAA
 ATATGAGAAGAAGAAATATATGGACCGAAGTCTGGACATCAATGTCTTAGGAAAAGAGAAGGATGATAAG
 TGGAAACGAGGGAATGAACCCGCTCCGGAGAAAAAGATGGAACCTGTTGTTTTGAGAAAGTAAAAATGC
 CACAGAAAAAGAAGACGCACAGCTACCTCGGAAAAGCTCTCCGAAATCTGCAGCCCTGTGATGGACTT
 GTTGGCCTTGATGCTCCTGTGGCCTGCTCAATTGCAAACAGTAAGACCAGCAATGCCCTAGAAAAGGAT
 CTAGATCTTTGGCCTCTGTTCCGTCCCCTTCTCAGTTTCCAGAAAGGCTGTAGGTTCCATGCCAACTG
 CAGGGAGTGTGTTCTGTCCCTGAAAACCTGAACCTATTTCCAGAGCCAGGGAGCAAATCAGAAGAAAC
 AGGCAAGAAACAGCTCTCAAGGACTCCATCCTATCACTGTATGGATCCCAGACGCCTCAAATGCCTGCC
 CAAGCAATGTTTCATGGCTCCTGCTCAGATGGCATAACCCACAGCTTACCCAGTTTCCCCGGGTTACAC
 CACCTAACAGCATCATGGGGGGCATGGTGCCTCCGCCAGTAGGCATGGTAGCTCAACCGGGAGCCTCTGG
 AATGCTAACCCCTATGGCCATGCCTGCAGGCTATATGGGGGGCATGCAGGCGTCCATGATGGGTGTGCCG
 AACGGGATGATGACCACTCAGCAGGCGGCTACATGGCAAGCATGGCAGCTATGCCCGAGACTGTGTATG
 GAGTTCAGCCAGCTCAGCAACTGCAATGGAACCTTACTCAGATGACCCAGCAAATGGCTGGGATGAACTT
 CTACGGAGCCAACGGCATGATGAACTATGGACAGTCAATGGGCGGTGAAATGGCCAGGCAGCCAATCAG
 ACTCTCAGTCTCAGATGTGAAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_133716
Insert Size:	1287 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_133716.3</u> , <u>NP_598477.2</u>
RefSeq Size:	2923 bp
RefSeq ORF:	1287 bp
Locus ID:	69780
UniProt ID:	<u>Q7TN29</u>
Cytogenetics:	4 D2.2
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. [UniProtKB/Swiss-Prot Function]