

Product datasheet for **SC100376**

SMAP2 (NM_022733) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMAP2 (NM_022733) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMAP2
Synonyms:	SMAP1L
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022733, the custom clone sequence may differ by one or more nucleotides

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ATGACAGGCAAGTCGGTGAAGGACGTGGATCGGTACCAGGCTGCTCTGGCCAACCTGCTGCTGGAGGAGG
ATAACAAGTTTTGTGCAGATTGCCAGTCTAAAGGGCCGCGATGGGCTCTTGGAACATTGGTGTGTTTCAT
CTGCATTCGATGTGCTGGAATCCACAGGAATCTGGGGTGCACATATCCAGGGTAAAGTCAGTTAACCTC
GACCAGTGGACTCAAGAACAGATTTCAGTGCATGCAAGAGATGGGAAATGGAAAGGCAAACCGACTTTATG
AAGCCTATCTTCCTGAGACCTTTTCGGCGACCTCAGATAGACCCAGCTGTTGAAGGATTTATTCGAGACAA
ATATGAGAAGAAGAAATACATGGACCGAAGTCTGGACATCAATGCCTTTAGGAAAAGAAAAGATGACAAG
TGGAAAAGAGGGAGCGAACCAGTTCAGAAAAAATGGAAACCTGTTGTTTTGAGAAGGTGAAAATGC
CACAGAAAAAGAAGACCCACAGCTACCTCGGAAAAGCTCCCGAAAATCCACAGCGCCTGTCATGGATTT
GTTGGGCCTTGATGCTCCTGTGGCCTGCTCCATTGCAAAATAGTAAGACCAGCAATACCCTAGAGAAGGAT
TTAGATCTGTTGGCCTCTGTTCCATCCCCTTCTTCCGGTTCAGAAAAGGTTGTAGGTTCCATGCCAA
CTGCAGGGAGTGCCGGCTCTGTTCTGAAAATCTGAACCTGTTTCCGGAGCCAGGGAGCAAAATCAGAAGA
AATAGGCAAGAAACAGCTCTCTAAAGACTCCATTCTTTCACTGTATGGATCCCAGACGCCTCAAATGCCT
ACTCAAGCAATGTTTCATGGCTCCCGCTCAGATGGCATATCCACAGCCTACCCAGCTTCCCGGGGTTA
CACCTCCTAACAGCATAATGGGGAGCATGATGCCTCCACCAGTAGGCATGGTTGCTCAGCCAGGAGCTTC
TGGGATGTTGCCCATGGCCATGCCTGCAGGCTATATGGGTGGCATGCAGGCATCAATGATGGGTGTG
CCGAATGGAATGATGACCACCCAGCAGGCTGGCTACATGGCAGGCATGGCAGCTATGCCACAGCTGTGT
ATGGGGTCCAGCCAGCTCAGCAGCTGCAATGGAACCTTACTCAGATGACCAGCAGATGGCTGGGATGAA
CTTCTATGGAGCAATGGCATGATGAATATGGACAGTCAATGAGTGGCGGAAATGGACAGGCAGCAAT
CAGACTCTCAGTCTCAGATGTGGAATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022733 unedited</p> <pre>TTAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGGCGAGGAGGG CGCGTCGCCCCTCTGCCCCGCGGCACCCTGGCCATGACAGGCAAGTCGGTGAAGGACGT GGATCGGTACCAGGCTGTCTGGCCAACCTGCTGCTGGAGGAGGATAACAAGTTTTGTGC AGATTGCCAGTCTAAAGGGCCGATGGGCCTCTTGGAAACATTGGTGTGTTTCATCTGCAT TCGATGTGCTGGAATCCACAGGAATCTGGGGGTGCACATATCCAGGGTAAAGTCAGTTAA CCTCGACCAGTGGACTCAAGAACAGATTCACTGCATGCAAGAGATGGGAAATGGAAAGGC AAACCGACTTTATGAAGCCTATCTTCTGAGACCTTTCGGCGACCTCAGATAGACCCAGC TGTTGAAGGATTTATTCGAGACAAATATGAGAAGAAGAAATACATGGACCGAAGTCTGGA CATCAATGCCTTTAGGAAAGAAAAAGATGACAAGTGGAAAAGAGGGAGCGAACCGATTCC AGAAAAAAAATTGGAACCTGTTGTTTTTGAAGGTGAAAATGCCACAGAAAAAAGAAGA CCCACAGTACCTCGGAAAAGCTCCCCGAAATCCACAGCGCCTGTCATGGATTTGTTGGG CCTTGATGCTCCTGTGGCCTGCTCCATTGCAAATAGTAAGACCAGCAATACCCTAGAGAA GGATTTAGATCTGTTGGCCTCTGTTCCATCCCCTTCTTCTCGGGTTCAGAAAAGTTGT AGGTTCCATGCCAACTGCAGGNAGTGCCNGCTCTGTTCCCTGAAATCTGACCTGTTCCGG AGCCAGGGAGCAATCAGAAGAATAGGGCAGAACAGCTCTTAAGACTCCATTCTTCACTG TATGGATCCAGACGCCTCAATGCCTACTCAAGCATGTTTCATGGCTCCGCTCAGATGCATA TCCACAGNCTACC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022733
Insert Size:	1100 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:	NM_022733.1 , NP_073570.1
RefSeq Size:	2618 bp
RefSeq ORF:	1290 bp
Locus ID:	64744
UniProt ID:	Q8WU79
Cytogenetics:	1p34.2
Domains:	ArfGap

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]
Transcript Variant: This variant (1) encodes the longest isoform (1).