

Product datasheet for **RC237376**

SCAMP1 (NM_001290229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP1 (NM_001290229) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCAMP1
Synonyms:	SCAMP; SCAMP37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237376 representing NM_001290229 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCGGATTTCGACAGTAACCCGTTTGCCGACCCGGATCTCAACAATCCCTTCAAGCCTCCACCAGGCG
GTGTGAAGATGCCTAATGTACCCAATACACAACCAGCAATAATGAAACCAACAGAGGAACATCCAGCTTA
TACACAGATTGCAAAGGAACATGCATTGGCCCAAGCTGAACCTCTTAAGCGCCAGGAAGAACTAGAAAGA
AAAGCCGCAGAATTAGATCGTCGGGAACGAGAAATGCAAAACCTCAGTCAACATGGTAGAAAAAATAATT
GGCCACCTCTTCCTAGCAATTTCTGTGCGACCTGTTTCTATCAGGATTTTCTGTAGACATTCCTGT
AGAATTCAAAAGACAGTAAAGCTTATGTACTACTTGTGGATGTTCCATGCAGTAACACTGTTTCTAAAT
ATCTTCGGATGCTTGGCTTGGTTTTGTGTTGATTCTGCAAGAGCGGTTGATTTTGGATTGAGTATCCTGT
GGTTCTTGCTTTTACTCCTTGTTTCATTTGTCTGTTGGTACAGACCACTTTATGGAGCTTTCAGGAGTGA
CAGTTCATTTAGATTCTTTGATTCTTCTCGTCTATATTTGTCAGTTTGCTGTACATGTACTCCAAGCT
GCAGGATTTCAAACTGGGGCAATTGTGGTTGGATTTTCATCCCTTACTGGTCTCAACCAAAATATTCCTG
TTGGAATCATGATGATAATCATAGCAGCACTTTTACAGCATCAGCAGTCATCTCACTAGTTATGTTCAA
AAAAGTACATGGACTATATCGCACAAACAGGTGCTAGTTTTGAGAAGGCCCAACAGGAGTTTGCAACAGGT
GTGATGTCCAACAAAACGTCCAGACCGCAGCTGCAAAATGCAGCTTCACTGCAGCATCTAGTGCAGCTC
AGAATGCTTTCAAGGTAACAGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237376 representing NM_001290229
 Red=Cloning site Green=Tags(s)

MSDFDSNPFADPDLNNPFKPPPGGVKMPNVPNTQPAIMKPTEHPAYTQIAKEHALAQAE LLKRQEELER
 KAAELDRREREMQNLSQHGRKNNWPPLPSNFPVGPFCFYQDFSVDIPVEFQKTVKLMYYLWMFHAVTLFLN
 IFGCLAWFCVDSARAVDFGLSILWFLFTPSCFVCWYRPLYGAFRSDSSFRFFVFFVYICQFAVHVLQA
 AGFHNWGNCGWISSLTGLNQNIIPVGIMMIIAALFTASAVISLVMFKKVHGLYRTTGASFEKAQQEFATG
 VMSNKTVQTAAANAATAASSAAQNAFKGNQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290229

ORF Size: 936 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001290229.2](#)

RefSeq Size: 6197 bp

RefSeq ORF: 939 bp

Locus ID: 9522

UniProt ID: [O15126](#)

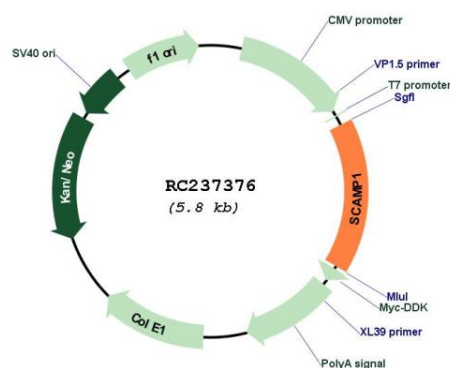
Cytogenetics: 5q14.1

Protein Families: Transmembrane

MW: 35.5 kDa

Gene Summary: This gene product belongs to the SCAMP family of proteins, which are secretory carrier membrane proteins. They function as carriers to the cell surface in post-golgi recycling pathways. Different family members are highly related products of distinct genes, and are usually expressed together. These findings suggest that these protein family members may function at the same site during vesicular transport rather than in separate pathways. A pseudogene of this gene has been defined on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC237376