

Product datasheet for **RG237376**

SCAMP1 (NM_001290229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP1 (NM_001290229) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCAMP1
Synonyms:	SCAMP; SCAMP37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237376 representing NM_001290229. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGTCGGATTTTCGACAGTAACCCGTTTGCCGACCCGGATCTCAACAATCCCTTCAAGCCTCCACCAGGC
GGTGTGAAGATGCCTAATGTACCCAATACACAACCAGCAATAATGAAACCAACAGAGGAACATCCAGCT
TATACACAGATTGCAAAGGAACATGCATTGGCCCAAGCTGAACCTCTTAAGCGCCAGGAAGAAGTAGAA
AGAAAAGCCGAGAAATTAGATCGTCGGGAACGAGAAATGCAAAACCTCAGTCAACATGGTAGAAAAAT
AATTGGCCACCTCTTCTAGCAATTTCTGTGCGACCTGTTTCTATCAGGATTTTCTGTAGACATT
CCTGTAGAATTCAAAAGACAGTAAAGCTTATGTACTACTTGTGGATGTTCCATGCAGTAACACTGTTT
CTAAATATCTTCGGATGCTTGGCTTGGTTTGTGTTGATTCTGCAAGAGCGGTTGATTTTGGATTGAGT
ATCCTGTGGTTCTTGCTTTTACTCCTTGTTTCATTTGTCTGTTGGTACAGACCACTTTATGGAGCTTTC
AGGAGTGACAGTTCATTTAGATTCTTTGTATTCTTCTCGTCTATATTTGTCAGTTTGCTGTACATGTA
CTCCAAGCTGCAGGATTTCACTAAGTGGGCAATTGTGGTTGGATTTTCATCCCTTACTGGTCTCAACCAA
AATATTCCTGTTGGAATCATGATGATAATCATAGCAGCACTTTTACAGCATCAGCAGTCATCTCACTA
GTTATGTTCAAAAAGTACATGGACTATATCGCACAAACAGGTGCTAGTTTGGAGAAGGCCAACAGGAG
TTTGCAACAGGTGTGATGTCCAACAAAAGTGTCCAGACCGCAGCTGCAATGCAGCTTCACTGCAGCA
TCTAGTGCAGCTCAGAAATGCTTTCAAGGGTAACAGATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC



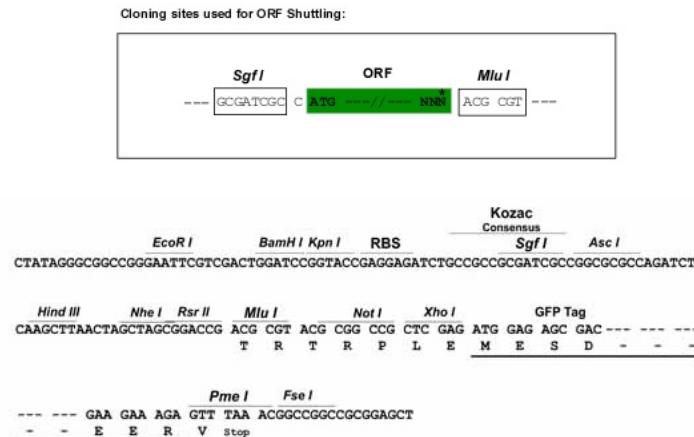
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237376
 Blue=ORF Red=Cloning site Green=Tag(s)

MSDFDSNPFADPDLNNPFKPPPGGVKMPNVPNTQPAIMKPTEHPAYTQIAKEHALAQAECLKRQEELE
 RKAELDRREREMQNLSQHGRKNNWPPLSNFPVGPFCFYQDFSDIPVEFQKTVKLMYYLWMFHAVTLF
 LNI FGCLAWFCVDSARAVDFGLSILWLLFTPCSFVCWYRPLYGAFRSDSSFRFFVFFVYICQFAVHV
 LQAAGFHNWGNCGWISSLTGLNQNPVGIIMMIIAALFTASAVISLVMFKKVHGLYRTTGASFKAQOE
 FATGVMSNKTQVTAANAATAASSAAQNAFKGNQI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNTVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290229

ORF Size: 950 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).

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](#)

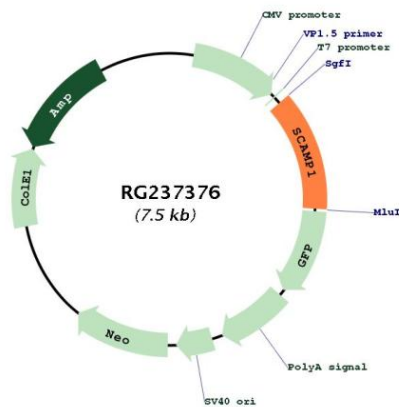
Cytogenetics: 5q14.1

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 RG237376