

Product datasheet for **RG205499**

SCAMP1 (NM_004866) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP1 (NM_004866) 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:	>RG205499 representing NM_004866 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCGGATTTCGACAGTAACCCGTTTGCCGACCCGGATCTCAACAATCCCTTCAAGGATCCATCAGTTA
CACAAGTGACAAGAAATGTTCCACCAGGACTTGATGAATATAATCCATTCTCAGATTCTAGAACACCTCC
ACCAGGCGGTGTGAAGATGCCTAATGTACCCAATACACAACCAGCAATAATGAAACCAACAGAGGAACAT
CCAGCTTATACAGATTGCAAAGGAACATGCATTGGCCCAAGCTGAACCTCTTAAGCGCCAGGAAGAAC
TAGAAAGAAAAGCCGAGAAATTAGATCGTCGGGAACGAGAAATGCAAAACCTCAGTCAACATGGTAGAAA
AAATAATTGGCCACCTCTTCCTAGCAATTTTCCTGTCGGACCTTGTTTCTATCAGGATTTTCTGTAGAC
ATTCCTGTAGAATTCCAAAAGACAGTAAAGCTTATGTACTACTTGTGGATGTTCCATGCAGTAACACTGT
TTCTAAATATCTTCGGATGCTTGGCTTGGTTTTGTGTTGATTCTGCAAGAGCGGTTGATTTTGGATTGAG
TATCCTGTGGTTCTTGCTTTTACTCCTTGTTTCATTTGTCTGTTGGTACAGACCACTTTATGGAGCTTTC
AGGAGTGACAGTTCATTTAGATTCTTTGTATTCTTCTCGTCTATATTTGTCAGTTTGCTGTACATGTAC
TCCAAGCTGCAGGATTTCACTAAGTGGGCAATTGTGGTTGGATTTTCATCCCTTACTGGTCTCAACCAAAA
TATTCCTGTTGGAATCATGATGATAATCATAGCAGCACTTTTACAGCATCAGCAGTCATCTCACTAGTT
ATGTTCAAAAAAGTACATGGACTATATCGCACAACAGGTGCTAGTTTTGAGAAGGCCCAACAGGAGTTTG
CAACAGGTGTGATGTCCAACAAACTGTCCAGACCGCAGCTGCAATGCAGCTTCACTGCAGCATCTAG
TGCAGCTCAGAATGCTTTCAAGGTAACCAAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205499 representing NM_004866
 Red=Cloning site Green=Tags(s)

MSDFDSNPFADPDLNNPFKDPSTVQVTRNVPPGLDEYNPFSDSRTPPPGGVKMPNVNTQPAIMKPTEEH
 PAYTQIAKEHALAQAECLKRQEELERKAAELDREREMQNLSQHGRKNNWPPLPSNFPVGPFCFYQDFSVD
 IPVEFQKTVKLMYYLWMFHAVTLFLNIFGCLAWFCVDSARAVDFGLSILWFLFTPCSFVCWYRPLYGAF
 RSDSSFRFFVFFVYICQFAVHVLQAAGFHNWGNCGWISSLTGLNQINIPVGIMMIIAALFTASAVISLV
 MFKKVHGLYRTTGASFEKAQQEFATGVMSNKTQVTAANAATAASSAAQNAFKGNQI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004866

ORF Size: 1014 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_004866.4](#), [NP_004857.4](#)

RefSeq Size: 6245 bp

RefSeq ORF: 1017 bp

Locus ID: 9522

UniProt ID: [O15126](#)

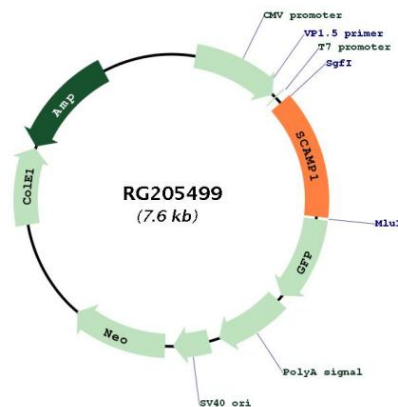
Cytogenetics: 5q14.1

Domains: SCAMP

Protein Families: Transmembrane

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 RG205499