

Product datasheet for **RG205149**

SCAMP5 (NM_138967) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCAMP5 (NM_138967) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SCAMP5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205149 representing NM_138967
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGAAAGTGAACAACCTCCACCATTGCCCAAATTCATCCCGCTGAAGCCATGTTTCTACCAAG
ACTTCGAGGCAGATATTCCTCCCGCAGCATGTGAGCATGACCAAGCGCCTCTACTACCTCTGGATGTTGAA
CAGCGTCACGCTGGCCGTGAACCTGGTGGGCTGTCTCGCGTGGCTGATCGGAGGCGGGGAGCCACCAAC
TTTGGCCTCGCCTTTCTCTGGCTCATCTCTTCACACCCTGCTCCTACGCTCTGCTGGTTTCGGCCCATTT
ACAAGGCCTTCAAGACTGACAGCTCCTTCAGTTTCATGGCATTCTCTTTACCTTCATGGCTCAGTTGGT
CATCAGCATCATCCAGGCCGTGGGCATCCAGGCTGGGGCGTCTGCGGCTGGATTGCTACCATCTCCTTC
TTCGGAACGAACATTGGCTCGGCGGTGGTGATGCTAATCCCACTGTGATGTTTCAGTGATGGCCGTCT
TTTCCTTCATCGCCCTCAGCATGGTTCATAAATTTACCGGGGAAGTGGGGGAGTTTCAGCAAAGCTCA
GGAGGAGTGGACCACAGGGGCTGGAAGAATCCACATGTGCAGCAGGCAGCCAGAACGCAGCCATGGGG
GCAGCCCAGGGTGCCATGAATCAGCCTCAGACTCAGTATTCGCCACCCCAATTACACGTACTCCAATG
AGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205149 representing NM_138967
Red=Cloning site Green=Tags(s)

MAEKVNNFPPLPKFIPLKPCFYQDFEADIPPQHVSMTKRLYYLWMLNSVTLAVNLVGCLAWLIGGGGATN
FGLAFLWLILFTPCSYVCWFRPIYKAFKTDSSFSMAFFFTFMAQLVISIIQAVGIPGWVCGWIATISF
FGTNIGSAVVMLIPTVMFTVMAVFSFIALSMVHKFYRSGGSFKAQEEWTTGAWKNPHVQQAQAAMG
AAQGAMNQPTQYSATPNYYSNEM

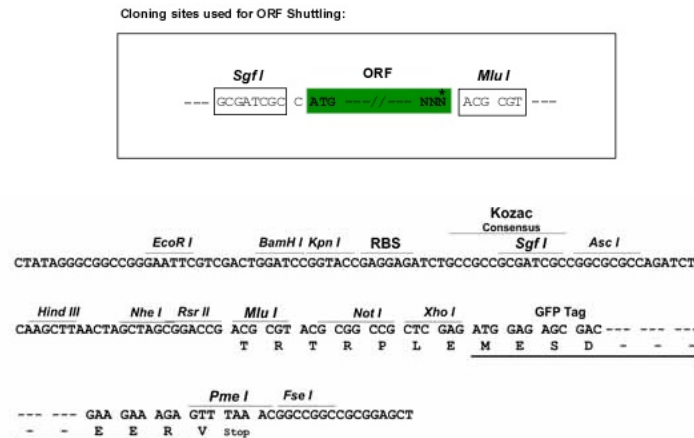
TRTRPLE - GFP Tag - V



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138967

ORF Size: 705 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.

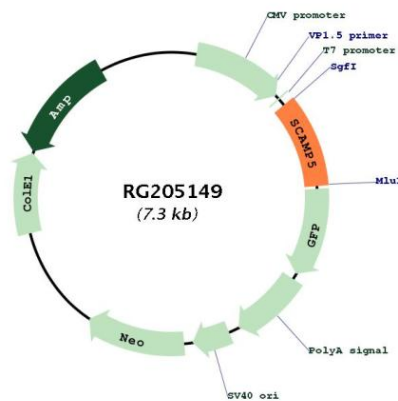
RefSeq: [NM_138967.4](#)

RefSeq Size: 3408 bp

RefSeq ORF: 708 bp

Locus ID:	192683
UniProt ID:	Q8TAC9
Cytogenetics:	15q24.2
Domains:	SCAMP
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	Required for the calcium-dependent exocytosis of signal sequence-containing cytokines such as CCL5. Probably acts in cooperation with the SNARE machinery. May play a role in accumulation of expanded polyglutamine (polyQ) protein huntingtin (HTT) in case of endoplasmic reticulum stress by inhibiting the endocytosis pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205149