

Product datasheet for **SC126333**

SCAMP4 (BC062598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP4 (BC062598) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAMP4
Synonyms:	FLJ33847; FLJ90105; SCAMP-4; secretory carrier membrane protein 4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC062598 edited
GACTTGGCGAAGCGCTGCGCTCGCGCCCGGATCCCTCAGGCGGCTGCAGGCTTCAGCCTG
CGCTGGTTGGTGAACAGAGATGTCAGAAAAGGAGAACAACCTCCCGCCACTGCCAAAGT
TCATCCCTGTGAAGCCCTGCTTACCAGAACTTCTCCGACGAGATCCCAGTGGAGCACC
AGGTCCTGGTGAAGAGGATCTACCGCTGTGGATGTTTTACTGCGCCACCCTCGGCGTCA
ACCTCATTGCCTGCCTGGCCTGGTGGATCGGCGGAGGCTCGGGGACCAACTTCGGCCTGG
CCTTCGTGTGGCTGCTCCTGTTACGCTTTCGCGCTACGTGTGCTGGTTCCGGCCTGTCT
ACAAGGCCTTCCGAGCCGACAGCTCCTTTAATTTTCATGGCGTTTTTCTTCATCTTCGGAG
CCCAGTTTGTCTGACCGTCATCCAGGCGATTGGCTTCTCCGGCTGGGGCGCTGCGGCT
GGCTGTGCGCAATTGGATTCTTCCAGTACAGCCGGGCGCTGCCGTGGTCATGCTGCTTC
CAGCCATCATGTTCTCCGTGTCGGTGCATGATGGCCATCGCGATCATGAAGGTGCACA
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CTTGGCGGAACCCACCGTCGAGGGAGGCCAGTACAACAACCTTCTCAGGCAACAGCCTGC
CCGAGTACCCACTGTGCCAGTACCCGGGCAGTGGCCAGTGGCCTTAGAGGGAGCCTG
CCCTGCCCCACCGCCACCACCTCCTCCCTTATTCTGCTGTACCCTGGTCCCGA
GGGCTGGGAGTACCTGGGGCCCATCCCCCAGCTGGGATGGTGAAGCCGGTGGTGGCC
ACGGACC GCCCCCTCCTGCCAGGGCCACAGAACCCGTGTTTCATCTCATCCGAGAGCGGA
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CGGTCCCCTGCAGTGTAGAGGGCTTGGTGCCTAGCTGAGTCTCGCTGTCCCGCCATC
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CTGGTCCAGGATCCTGGGGCCACCCTCCCTGCCTC AAAACAGGGATCCCTGGCAGGC
TGTCTTCCACGCCCTGAGTTCAGAGTCCGGGACCCAGGCCAGGTGGGAGCACAGCCG
CTCCCAAACCCAGCAAACCGGCAGAGACCGGTTTCCAGCAGCCGGAGCCCTGCAGGA
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CCCAGCTAATTTTTATATTTTTAGTACAGATGGGGTTTACCATGTTGGCCAGGCTGGTC
TCGAACTCCTGACCTCAAGTGTCCACCCGCTTGGCCTCCCAAAGTGTGGGATAATAG
GTGTCAGCCACCCAGCCAGCCTGGAGTGGCCTTTATGAGAGGGGACCCGTC AAATCTG
TGCTTATGGAGGGGTCCGGCAGCGGCCACAATTGTCTTGTCCCTCACCCCAACTCC
CCCTGGAACACCTCTCCAGGCAAGACATTTTACAGCACCATTACAAACGGTTGGGCCA
AAAAGAACTTTTCTTCATCATTTTCTGCACTCGCTGACCACAACCTTTGGACACCCAG
GCTGCCACCCCTCCCAACCGTTACCCCAAGGATGCTGTTGTGTAGGACGCCTGCTGC
CCTGGAGCCCTCCCAAGGATGTGAGCCAGTCCCCTCGCTGGTACGGAATGCCGCTGGGTG
CCGGAGGCGGCCATGGTGTCTCGATGGACGGCAGCCAGGATGGAGCACCCATGGGTCTC
ACGGCCATGCTTACGGTCTTACGGTCTGCCCCCGGCCAGTCTGCCAAGAGGCACCCCT
TTCCCAAGCCTCTCGCTGCACTGATGCAGACAAAATCTCACCTGGCAGGCCCAACCCCT
ACCCACCCCTCCCGCGGTGTGTGGCCCTCGCCGATCGTTGGGGTTTTGTTACGTG
AAAATATCTGAAATAAATAACATGTTTCTGCACTTAGAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC062598 unedited AGTCAGAATTGTATACGACTCACTATAGGCGGCCGCGATTANATCTGGTACCGGTCCGG AATTCCCAGGATGACTTGGCGAAGCGCTGCGCTCGCGCCCGGATCCCTCAGGCGGCTGCA GGCTTCAGCCTGCGCTGGTTGGTGAAACAGAGATGTCAGAAAAGGAGAACAACCTCCCGC CACTGCCAAGTTCATCCCTGTGAAGCCCTGCTTCTACCAGAACTTCTCCGACGAGATCC CAGTGGAGCACCAGGTCCTGGTGAAGAGGATCTACCGGCTGTGGATGTTTTACTGCGCCA CCCTCGGCGTCAACCTCATTGCCTGCCTGGCTGGATCGGGCGAGGCTCGGGGACCA ACTTCGGCCTGGCCTTCGTGTGGCTGCTCCTGTTACGCCTTGGCGCTAGGTGTGCTGGT TCCGGCCTGTCTACAAGCCTTCCGAGCCGACAGCTCCTTTAATTTTCATGGCGTTTTTCT TCATCTTCGGAGCCAGTTTGTCTGACCGTCATCCAGGCGATTGGCTTCTCCGGCTGGG GCGCGTGGGCTGGCTGTGCGCAATTGGATTCTTCCAGTACAGCCCGGGCGCTGCCGTGG TCATGCTGCTCCAGCCATCATGTTCTCCGTGTGCGCTGCCATGATGGCCATCGCGATCA TGAAGGTGCACAGGATCTACCGAGGGGCTGGCGGAAGCTTCCAGAAGGCACAGACGGAGT GGAACACGGGCACTTGGCGCAACCCACCGTCGAGGGAGGCCAGTACAACAACCTTCTCAG GCAACAGCCTGCCCGAGTACCCACTGTGCCAGCTACCCGGGCGAGTGGCCAGTGGCCTT AGAGGGAGCCTGCCCTGCCCCACCGCCACACCTCCTCCCTTCATACTGTGCTACCCCT A
Restriction Sites:	NotI-NotI
ACCN:	BC062598
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:	<u>BC062598.1</u> , <u>AAH62598.1</u>
RefSeq Size:	2585 bp
Locus ID:	113178
Cytogenetics:	19p13.3

Gene Summary:

Secretory carrier membrane proteins (SCAMPs) are widely distributed integral membrane proteins implicated in membrane trafficking. Most SCAMPs (e.g., SCAMP1; MIM 606911) have N-terminal cytoplasmic NPF (arg-pro-phe) repeats, 4 central transmembrane regions, and a short C-terminal cytoplasmic tail. These SCAMPs likely have a role in endocytosis that is mediated by their NPF repeats. Other SCAMPs, such as SCAMP4, lack the NPF repeats and are therefore unlikely to function in endocytosis (summary by Fernandez-Chacon and Sudhof, 2000 [PubMed 11050114]).[supplied by OMIM, Feb 2011]