

## Product datasheet for **SC124500**

### SCAMP4 (NM\_079834) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | SCAMP4 (NM_079834) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | SCAMP4  |
| Synonyms:                 | SCAMP-4   |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL4</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC124500 sequence for NM_079834 edited (data generated by NextGen Sequencing) |

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ATGTCAGAAAAGGAGAACAACCTCCCGCCACTGCCAAGTTCATCCCTGTGAAGCCCTGC
TTCTACCAGAACTTCTCCGACGAGATCCCAGTGGAGCACCAGGTCCTGGTGAAGAGGATC
TACCGGCTGTGGATGTTTTACTGCGCCACCCTCGGCGTCAACCTCATTGCCTGCCTGGCC
TGGTGGATCGGCGGAGGCTCGGGACCAACTTCGGCCTGGCCTTCGTGTGGCTGCTCCTG
TTCACGCCTTGGCGCTACGTGTGCTGGTCCGGCCTGTCTACAAGGCCTCCGAGCCGAC
AGCTCCTTAATTTTCATGGCGTTTTTCTCATCTTCGGAGCCCAGTTTGCCTGACCCTC
ATCCAGGCGATTGGCTTCTCCGGCTGGGGCGCGTGGCGCTGGCTGTCGGCAATTGGATC
TTCCAGTACAGCCCGGGCGCTGCCGTGGTTCATGCTGCTTCCAGCCATCATGTTCTCCGTG
TCGGCTGCCATGATGGCCATCGCGATCATGAAGGTGCACAGGATCTACCGAGGGGCTGGC
GGAAGCTTCCAGAAGGCACAGACGGAGTGAACACGGGCACTTGGCGGAACCCACCGTCCG
AGGGAGGCCCAAGTACAACAACCTTCTCAGGCAACAGCCTGCCCGAGTACCCCACTGTGCC
AGCTACCCGGGCGAGTGGCCAGTGGCCTTAG
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Clone variation with respect to NM\_079834.2



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|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_079834 unedited<br>CCCCCCCCCAAAAACCCCCCTCCCCCGTTTCAGAAATTGTATACGACTCACTATA<br>GGCGGCCGCGAAATCGGCACCAGGCGAAACGCTGCGCTCGCGCCCGNACCCTCAGGCGG<br>CTGCAGGCTTCAGCCTGCGCTGGTTGGTGAACAGAGATGTCAGAAAAGGAGAACAATT<br>CCCGCCACTGCCAAGTTCATCCCTGTGAAGCCCTGCTTCTACCAGAATTCTCCGACGA<br>GATCCCAGTGGAGCACCAGGTCCTGGTGAAGAGGATCTACCGGCTGTGGATGTTTTACTG<br>CGCCACCCTCGGGCTCAACCTCATTGCCTGCCTGGCTGGATCGGCGGAGGCTCGGG<br>GACCAACTTCGGCTGGCCTTCGTGTGGCTGCTCCTGTTACGCCTTGGCGCTACGTGTG<br>CTGGTTCGCGCTGTCTACAAGGCTTCCGAGCCGACAGCTCCTTTAATTCATGGCGTT<br>TTTCTTCATCTTCGGAGCCAGTTTGTCTGACCGTCATCCAGGCGATTGGCTTCTCCGG<br>CTGGGGCGCGTGC GGCTGGCTGTCGGCAATTGGATTCTTCCAGTACAGCCGGGCGCTGC<br>CGTGGTCACTGCTTCCAGCCATCATGTTCTCCGTGTCGGCTGCCATGATGGCCATCGC<br>GATCATGAANGTGCACAGGATCTACCGAGGGGCTGGCGGAAGCTTCCAGAAAGCACAGAC<br>GGAGTGGAAACACGGGCACTTGGCGAACCACCGTCCGAGGGAGGCCAGTACAACAATTC<br>TCAGGCCACAGCTGCCCGAGTACCCACTGTGCCAGCTACCCGGGAGTGGCCAGTGG<br>CCTTAGAGGGAGCCTGCCCTGCCCCACCGNCCACCCACTCCTCCCCTACATTCCTGCT<br>GCTACCCCTGGNCCCGAGGGCTGGAGTACCTGGGCCCATCCCCACTGG |
| <b>Restriction Sites:</b>           | ECoRI-NOT   |
| <b>ACCN:</b>                        | NM_079834   |
| <b>OTI Disclaimer:</b>              | 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).  |
| <b>Components:</b>                  | 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).  |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>   |
| <b>RefSeq:</b>                      | <u><a href="#">NM_079834.2</a></u> , <u><a href="#">NP_524558.1</a></u>   |
| <b>RefSeq Size:</b>                 | 2548 bp   |
| <b>RefSeq ORF:</b>                  | 690 bp  |
| <b>Locus ID:</b>                    | 113178  |
| <b>UniProt ID:</b>                  | <u><a href="#">Q969E2</a></u>   |
| <b>Cytogenetics:</b>                | 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).