

## Product datasheet for **SC323862**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_079834.2  
 GACTTGGCGAAGCGCTGCGCTCGCGCCCGGATCCCTCAGGCGGCTGCAGGCTTCAGCCTG  
 CGCTGGTTGGTGAACAGAGATGTCAGAAAAGGAGAACAACCTCCCGCCACTGCCAAAGT  
 TCATCCCTGTGAAGCCCTGCTTACCAGAACTTCTCCGACGAGATCCCAGTGGAGCACC  
 AGGTCCTGGTGAAGAGGATCTACCGCTGTGGATGTTTTACTGCGCCACCCTCGGCGTCA  
 ACCTCATTGCCTGCCTGGCTGGTGGATCGGCGGAGGCTCGGGGACCAACTTCGGCCTGG  
 CCTTCGTGTGGCTGCTCCTGTTACGCTTTCGCGCTACGTGTGCTGGTTCCGGCCTGTCT  
 ACAAGGCCTTCCGAGCCGACAGCTCCTTTAATTTTCATGGCGTTTTTCTTCATCTTCGGAG  
 CCCAGTTTGTCTGACCGTCATCCAGGCGATTGGCTTCTCCGGCTGGGGCGCTGCGGCT  
 GGCTGTGCGCAATTGGATTCTTCCAGTACAGCCGGGCGCTGCCGTGGTCATGCTGCTTC  
 CAGCCATCATGTTCTCCGTGTCGGCTGCCATGATGGCCATCGCGATCATGAAGGTGCACA  
 GGATCTACCGAGGGGCTGGCGGAAGCTTCCAGAAGGCACAGACGGAGTGGAAACACGGGCA  
 CTTGGCGGAACCCACCGTCGAGGGAGGCCAGTACAACAACCTTCTCAGGCAACAGCCTGC  
 CCGAGTACCCACTGTGCCAGTACCCGGGCAGTGGCCAGTGGCCTTAGAGGGAGCCTG  
 CCCTGCCCCACCGCCACCACCTCCTCCCTTATTCTGCTGTACCCCTGGTCCCGA  
 GGGCTGGGAGTACCTGGGGCCCATCCCCCAGCTGGGATGGTGAAGCCGGTGGTGGCC  
 ACGGACCGCCCCCTCCTGCCAGGGCCACAGAACCCGTGTTTCATCTCATCCGAGAGCGGA  
 GTTCTCACAAGCACTCCCCAGCAGCCCTTGGCCTCTGCCGTCCACAGGACGCCCTTTG  
 CTCCCGAAACGTGTGGTCAACCCGCTCCACTGCACGGCTGGTACGGCCTTGTCTTCAG  
 GTCTCGAGGCCTGACTCCGGGGACAGGTGGCAGCAGGTGGCCGCCCTCCCGTCTCCAG  
 AGAGCTGCTGGCCTGAGGTGAGAGCGGGTCTGATGGGGAGTCCGTCTCACCAGCCACC  
 CGCCGTACCATGGCAGATGCCCTTGGCCGGAATAAAGAGGGCTCGGGGCCAGCTTC  
 CGGTCCCCTGCAGTGTAGAGGGCTTGGTGCCTAGCTGAGTCTCGCTGTCCCGCCATC  
 CCCTGATCTGTGGGCTCCAGCCTCGCCCTCCCCACGTGCACCATACCTGGGGAGTTC  
 CTGGTCCAGGATCCTGGGGCCACCCTCCCTGCCTCAAAACAGGGATCCCTGGCAGGC  
 TGTCTTCCACGCCCCTGAGTTCAGAGTCCGGGACCCAGGCCAGGTGGGAGCACAGCCG  
 CTCCCCAAACCCAGCAAACCGGCAGAGACCGGTTTCCAGCAGCCGGAGCCCTGCAGGA  
 GAGGCCTTTGTGTTTTGTTTTGTTTTGTTTTTCTTTTTGAGACAGAGTTTCACTCTGT  
 CGCCCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCTGCCTCCCGTGT  
 CAAGCAGTCTCCTGCCTCAGCCTCCAAATAGCTGGGATTACAGTTGCCTGCCACCACG  
 CCCAGCTAATTTTTATATTTTTAGTACAGATGGGGTTTACCATGTTGGCCAGGCTGGTC  
 TCGAACTCCTGACCTCAAGTGTCCACCCGCTTGGCCTCCCAAAGTGTGGGATAATAG  
 GTGTCAGCCACCCAGCCAGCCTGGAGTGGCCTTTATGAGAGGGGACCCGTCAAATCTG  
 TGCCTTATGGAGGGGTCCGGCAGCGGCCACAATTGTCTTGTCCCCTACCCCCAACTCC  
 CCCTGGAACACCTCTCCAGGCAAGACATTTTACAGCACCATTACAAACGGTTGGGCCA  
 AAAAGAACTTTTCTTCATCATTTTCTGCACTCGCTGACCACAACCTTTGGACACCCAG  
 GCTGCCACCCCTCCCCACCGTTACCCCCAGGATGCTGTTGCTGTAGGACGCCTGCTGC  
 CCTGGAGCCCTCCCCAGGATGTGAGCCAGTCCCCTCGCTGGTACGGAATGCCGCTGGGTG  
 CCCGGAGGCGCCATGGTGTCTCGATGGACGGCAGCCAGGATGGAGCACCCATGGGTCTC  
 ACGGCCATGCTTACGGTCTTACGGTCTGCCCCCGGCCAGTCTGCCAAGAGGCACCCCC  
 TCCCCAGCCTCTCGCTGCACTGATGCAGACAAAATCTCACCTGGCAGGCCCAACCCCC  
 ACCCCACCCCTCCCCGCGTGTGTGGCCCTCGCCGATCGTTGGGGTTTTGTTACGTG  
 AAAATATCTGAAATAAATAACATGTTTCTGCACTTAGAAAAAAAAAAAAAAAAAAAAAAAA  
 AA  
 AAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>