

## Product datasheet for SC321330

### SCAMP2 (NM\_005697) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP2 (NM_005697) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAMP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_005697.3</p> <pre>CACGAAGCGCCGCTGGGTCTGGGTGCCCGAGGCAGCAGCGTTTCGCGGAGTTCGCCCCGT GGCCCCGATCACCATGTCGGCTTTCGACACCAACCCCTTCGCGGACCCAGTGGATGTAA ACCCCTTCCAGGATCCCTCTGTGACCCAGCTGACCAACGCCCGCAGGGCGGCCTGGCGG AATTCAACCCCTTCTCAGAGACAAATGCAGCGACAACAGTTCTGTACCCAACTCCCTG GGTCTCACAGCCAGCGTTTCTCCAGCCATCAGTGGAAACCAACCCAGCCGACCCCCAGG CCGTGGTGTCTGCAGCCAGGCAGGCTGCTCCGGCAGCAGGAAGAACTGGACAGGAAAG CTGCCGAGCTGGAACGCAAGGAGCGGGAGCTGCAGAACTGTAGCCAACTTGCATGTGA GACAGAACAACGGCCCCCTCTGCCCTCGTGGTGCCTGTGAAGCCCTGCTTCTATCAGG ATTTCTCCACAGAGATCCCTGCCGACTACCAGCGGATATGCAAGATGCTCTACTATCTGT GGATGTTGCATTACGTGACTCTGTTTCTGAACCTGCTTGCCTGCCTGGCTGGTTCTCGG GCAACAGCTCCAAGGGAGTGGACTTTGGCCTCTCCATCCTGTGGTTTCTGATCTTCACTC CCTGTGCCCTTCTTTGTTGGTACCGACCCATCTATAAGGCCTTTAGGTCCGACAACCTTT TCAGCTTCTTTGTGTTCTTTTGTATTTTTTTGTCAAATAGGGATCTACATCATCCAGT TGGTTGGCATCCCTGGCCTGGGGACAGCGGTTGGATTGCAGCCCTGTCTAACTGGATA ATCATTCCCTGGCCATATCAGTCATCATGATGGTGGTGGCTGGCTTCTTACCCTCTGTG CCGTGCTCTCAGTCTTCTCCTGCAGCGGGTGCCTCCCTCTACCAGCGACAGGGGCCA GCTTCCAGCAGGCCAGGAGGAGTTTTCCAGGGCATCTTCAGCAGCAGAACCTTCCACA GAGCTGCTTCATCTGCTGCCAAGGAGCCTTCCAGGGGAATTAGTCTCCTCTCTTCTCT CCCCCTCAGCCTTCTCTCGCCTGCCTTCTGAGCTGCACTTTCGGTGGTGCCTTATGTG GTGGTGGTTGTGCCAGCACAGACCTGGCAGGGTCTTGGCGTGGCTTCTCCTCCTCCCT CAGCGACCAGCTCCTTCCGAAACGGGAGGGACAGGGAATTTTTCCCCCTCTATGTACAA AAAAAACAAAGCTCTCTTCTCTCTGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_005697



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<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>	<a href="#">NM_005697.3</a> , <a href="#">NP_005688.2</a>
<b>RefSeq Size:</b>	1313 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	10066
<b>UniProt ID:</b>	<a href="#">O15127</a>
<b>Cytogenetics:</b>	15q24.1
<b>Domains:</b>	SCAMP
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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 the SCAMPs may function at the same site during vesicular transport rather than in separate pathways. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) lacks an exon in the central coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>