

Product datasheet for **SC120631**

SCAMP5 (NM_138967) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP5 (NM_138967) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAMP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120631 sequence for NM_138967 edited (data generated by NextGen Sequencing)

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ATGGCAGAGAAAAGTGAACAACCTCCACCGTTGCCAAATTCATCCCCTGAAGCCATGT
TTCTACCAAGACTTCGAGGCAGATATCCTCCCCAGCATGTCAGCATGACCAAGCGCCTC
TACTACCTCTGGATGTTGAACAGCGTCACGCTGGCCGTGAACCTGGTGGGCTGTCTCGCG
TGGCTGATCGGAGGCGGGGAGCCACCAACTTTGGCCTCGCCTTCTCTGGCTCATCCTC
TTCACACCCTGCTCTACGTCTGCTGGTTTCGGCCATTTACAAGGCCTCAAGACTGAC
AGCTCCTTCAGTTTCATGGCATTCTTCTTACCTTCATGGCTCAGTTGGTCATCAGCATC
ATCCAGGCCGTGGGCATCCCAGGCTGGGGCGTCTGCGGCTGAATTGCTACCATCTCCTTC
TTCGGAACGAACATTGGCTCGGCGGTGGTGATGCTAATCCCAGTGCATGTTACAGTG
ATGGCCGCTTTTTCTTCATCGCCCTCAGCATGGTTTCAAAATTTACCGGGGAAGTGGG
GGGAGTTTCAGCAAAGCTCAGGAGGAGTGACCACAGGGGCCTGGAAGAATCCACATGTG
CAGCAGGCAGCCAGAACGCAGCCATGGGGCAGCCAGGGTGCATGAATCAGCCTCAG
ACTCAGTATTCCGCCACCCCAATTACACGTAATCCAATGAGATGTGA
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Clone variation with respect to NM_138967.3
30 a=>g;402 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138967 unedited GGGTGTACATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCTCGC GGCCGGCTCCGCGCCGCATCGCTCGGGTGCAGCGCAGCTCAGCGCAGCGCTGCGGCCTTT CGGCAGCCGAACGGCCGCGCAGTTTCAAGACAAAGAGGTGTGGGCAGGCCACTGGGCCAG CTGGTAACATCATGGCAGAGAAAGTGAACAACCTCCCACCGTTGCCCAAATTCATCCCGC TGAAGCCATGTTTCTACCAACACTTCGAGGCAGATATTCCTCCCCAGCATGTCAGCATGA CCAAGCGCCTCTACTACCTCTGGATGTTGAACAGCGTCACGCTGGCCGTGAACCTGGTGG GCTGTCTCGCGTGGCTGATCGGAGGCGGGGAGCCACCAACTTTGGCCTCGCCTTTCTCT GGCTCATCTCTTACACCCTGCTCCTACGTCTGCTGGTTTTCGGCCATTACAAGGCCCT TCAAGACTGACAGCTCCTTCAGTTTCATGGCATTCTTCTTACCTTCATGGCTCAGTTGG TCATCAGCATCATCCAGGCCGTGGGCATCCCAGGCTGGGGCGTCTGCGGCTGAATTGCTA CCATCTCCTTCTCGAACGAACATTGGCTCGGCGGTGGTATGCTAATCCCACTGTCA TGTTACAGTGATGGCCGCTTTTCTTCATCGCCCTCAGCATGGTTCATAAATTTTACC GGNGAAAGTGGGGAGTTTTCAGCAAAGCTCAGGGAGAGTGGACCACAGGGGCCTGGAAGA ATCCACATGTGCAGCAGGCAGCCANAAACGCACCATGGGGGAGCCANGGTGCCATGA ATCAGCCTCAGACTCCATATTCCGCCACCCCAATTACACGTACTTCAAATGAGATGTGA ACCAGCCACGCCTACCAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_138967
Insert Size:	3800 bp
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:	NM_138967.2 , NP_620417.1
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]

Transcript Variant: This variant (3) lacks an alternate exon in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.