

Product datasheet for **SC328374**

SCAMP5 (NM_001178112) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SCAMP5 (NM_001178112) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SCAMP5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC328374 representing NM_001178112. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGAGAAAGTGAACAACCTCCACCATTGCCAAATTCATCCCGCTGAAGCCATGTTTCTACCAA
GACTTCGAGGCAGATATTCCTCCCCAGCATGTCAGCATGACCAAGCGCCTCTACTACCTCTGGATGTTG
AACAGCGTCACGCTGGCCGTGAACCTGGTGGGCTGTCTCGCGTGGCTGATCGGAGCGGGGGAGCCACC
AACTTTGGCCTCGCCTTCTCTGGCTCATCCTCTTCACACCCTGCTCCTACGTCTGCTGGTTTCGGCCC
ATTTACAAGGCCTCAAGACTGACAGCTCCTTCAGTTTCATGGCATTCTCTTTACCTTCATGGCTCAG
TTGGTCATCAGCATCATCCAGGCGTGGGCATCCAGGCTGGGGCTGCGGGCTGGATTGCTACCATC
TCCTTCTCGGAACGAACATTGGCTCGGCGGTGGTGTGCTAATCCCACTGTCATGTTCCACAGTGATG
GCCGTCTTTTCTTCATCGCCCTCAGCATGTTTCATAAATTTTACCGGGGAAGTGGGGGAGTTTCAGC
AAAGCTCAGGAGGAGTGACCACAGGGCCTGGAAGAATCCACATGTGCAGCAGGCAGCCAGAACGCA
GCCATGGGGCAGCCAGGGTGCCATGAATCAGCCTCAGACTCAGTATTCGCCACCCCAATTACAGC
TACTCCAATGAGATGTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001178112 |
| Insert Size: | 708 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). |



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| OTI Annotation: | 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. |
| 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_001178112.1 |
| RefSeq Size: | 3483 bp |
| RefSeq ORF: | 708 bp |
| Locus ID: | 192683 |
| UniProt ID: | Q8TAC9 |
| Cytogenetics: | 15q24.2 |
| Protein Families: | Secreted Protein, Transmembrane |
| MW: | 26.1 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) has an alternate exon in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.</p> |