

Product datasheet for **SC323906**

CDC42SE1 (NM_001038707) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC42SE1 (NM_001038707) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC42SE1
Synonyms:	SCIP1; SPEC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001038707.1
CTGACCTTCACTGCTCAGTTAAAGGTTCCAGGGATTCCACTTTGTCTGGACCCATCCAGC
TGAGTGAACCCAGGGTGGTGGTGTATCTGGGGAGAGTGAGGAGTGGGTTGTCCAAACACC
AGGGAAAGAGCCCTTTGGGGCCTCAGACAGAGGAGTGAAGCTGGAACCATCAGGGAAACAT
GAGTGAATTTTGGCACAAACTGGGCTGCTGTGTGGTAGAGAAACCCAGCCGAAGAAGAA
GAGAAGACGGATTGACCGACCATGATTGGGGAACCAATGAATTTTGTTCACCTGACTCA
CATTGGCTCAGGGGAGATGGGGCCGGAGATGGACTTGCCATGACAGGTGCAGTTCAGGA
GCAGATGAGATCCAAGGGAAACCGAGATAGGCCATGGAGCAATTCTAGGGGCTTATAGCT
CCAATAATGGAATGGTTCTGCCATCTTGAACCCCACTTCTGTTTCCAGCCAGAAGAAA
TGCTGCCCTACCAGATCCCTCCTTGAACCAGTGATCTAAGGACCCCTCTTTTCCCTATC
TGCCTAACAGTGCCTCACAAGGCTTGGGGGCTGGACTCCCTCTACTCCCTCTGGCCATAG
CCCCTCTGGAGATGGGGTCAAGGCAGCAGGACTGATCAAGTGACTACTGGTTAGCCAGA
GGAGCTCAGTGAAGCCCTGAAACCCTCAGGTCTGAGATAGGAGTTCTCTAGGAACCTG
GAATGAGTTCCTGTCTCCTGAATGATGGTCTGGGTGCCACCTGTTTTTAACTCTTAAAC
CTGGAACCTCTTAAATGGGTAGGTGGGTGAGATTATCAAAGCTGAAGCTGGCTTTGCTG
AGAAGCTCCCTACCTCCCTGCCCTTCTCCTCCTCCTGCTGGAATGAACTAAAGCAGATG
TCAAGCAGGGGCTGGTGGGGTGCCTACTCCCTTTTCCACTCTATCTTTAGATTTCAAAC
CTTAGGCTTACAGCCCTCAATATCTCTGCTAACACCAGTGTCTTTTCTAGTTAGGC
CTCTAATCTTCTGTTTCTGTTTACCAGCTTCCCAGCAACTTTCTTTTTTAAATATTTAA
AAATTTAATTCAGGTTCTCTTAATTATCCTCATCTGCTGTTGCCTCCGCCCTTAACTCT
ATCCCTATTAGGAACCTTGTTTCCCACCGAATAAGAGTTAAGGTAAGAGGTAGCTCTTCA
CCTGATGACATTCCATTTAAGTTTTGGGCATCTTTCTGCCCTCTGCCAACCTCCCTGC
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GAGTAAGTCCATCTCAAGGTGGACTTCTGATCATTGAGGATGGTGAAGATAAATAGGTTGA
AAACAATCATCTGTGAGTTTAGGAGTCTTAAGATCCTCACAGCAGGGAGCAGGGAGAGG
CTCTAGAACAAGGTTTCAACAACCGAGATGCCTTTGACATTTTGGGCTGAAGTGTTCTTTG
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CTCTAGTTATGACAACCAAAAATGTCTCTATACATTGCCAGATTTCTCCTAGGGGCAAA
ATCGCCTCCATTTGAGAACCACAACCTCTAAAGTCAAGATATTTTTCTCTGAAGTGATTTT
TGCTTGGCAGCTACCCTCATCATCTTACTCATCTTAAGCCCAGCCATGGATCAACTAG
GAGCCCATATAAATGAGGCTCAGTAGGGCTGCACATAATCTCAAACAATTCTTTATTCA
GTGTTTTGCTTGTGTTTGCATGTTGCTATGATGGACAGGTCCCCCTCCTCATTCTTGCC
CTCTGGAGAAGTGGTTCCTGCACTGTAGAGATGAACAGGGTATGGTAGGATTGGGGAA
AGGGGAGAGAGAAGCAGTAGATACACTCCTTATCCTCCCAAAATTTAAGCTCTATTTCT
GTGCCCTAGTCTAGACACACATTAGACTCAGGGAGTTTTGTCTGAAGACCAGGTCCCAC
TGCCCCCTGGCTGAAGAGTCTGCTTTAAATGGGAAAACAACGTAGGAGCAGGGGTTTTTA
GGCACTTTCAGTATTCTCAGGTGTTCTTCGTTCTGGCCCTCCAGGGTAATTAGGAAGGC
AGAACAAGACAGATGAGCTCCTGCCTGCTCTGAGACAAGAAGGGTGGGGTCTCATTAGCT
TTGCAACAGGAAACATCCTGTTTTATGGTAGTGGGGTCAAGGAATGTAGGAACTGGTATCC
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CTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAAATTTCCATGATTTTCTGCCATTTTTCAG
GGTCTAAGATTGGTCATACATTCCTCAATTTACTCTCAGTTCAGTCAAGCTGGTTGCTCT
GAAAGTAAACCAGCTTGTGCTCTAAAATACCTCAGTAGCCTGAGTGTTATACTAGAGAT
CTAAAGGGTTAACAGGATAGGGTGGAAAGGTTAGAGACTCCTAGAAATCTCTGGTACCCTG
TGATCTTCGGCCTCATTCTAATACCTGTTCTTTGGACAGTCTTTTTCTTTGGTGTCTCTC
TTGCCCTTAGCTACCTTCTCTAATATGTATGCTACCATCACTAATAAAGTATGGGAATG
GGTTTGAGAGTCGTAATTTATATTAATAAAGTTGTTGGACTTTTAAATACATTTTTTCAA
TAAAAAATTAAGCAAAATAGTTCACAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: ECoRI-NOT

ACCN: NM_001038707

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).
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:	<u>NM_001038707.1</u> , <u>NP_001033796.1</u>
RefSeq Size:	3193 bp
RefSeq ORF:	240 bp
Locus ID:	56882
UniProt ID:	<u>Q9NRR8</u>
Cytogenetics:	1q21.3
Gene Summary:	<p>Probably involved in the organization of the actin cytoskeleton by acting downstream of CDC42, inducing actin filament assembly. Alters CDC42-induced cell shape changes. In activated T-cells, may play a role in CDC42-mediated F-actin accumulation at the immunological synapse. May play a role in early contractile events in phagocytosis in macrophages.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>