

## Product datasheet for **SC214614**

### CDC42 (NM\_001039802) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CDC42 (NM_001039802) Human 3' UTR Clone
Symbol:	CDC42
Synonyms:	CDC42Hs; G25K; TKS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001039802
Insert Size:	2000 bp



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**Insert Sequence:** >SC214614 3'UTR clone of NM\_001039802  
 The sequence shown below is from the reference sequence of NM\_001039802. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGAAGAGCCGCGAGGTGTGTGCTGTATGAACATCTCTCCAGAGCCCTTTCTGCACAGCTGGTGTCCGGC
ATCATACTAAAAGCAATGTTTAAATCAAACATAAGATTAAAAATAAAATTCGTTTTTGCAATAATGAC
AAATGCCCTGCACCTACCCACATGCACTCGTGTGAGACAAGGCCATAGGTATGGCCCCCCTTCCCC
CTCCAGTACTAGTTAATTTTGTGTAATTGTATTGTCAGAAAAGTGATTAGTACTATTTTTTTTTGTTG
TTTCAAAAAAAAAATTTTGTGTGTGTGTTTTTTTTTTTTTTTTTTTTTTTGTGTTTAAAAGCAAGGCA
TGCTTGTGGATGACTCTGTAACAGACTAATTGGAATTGTTGAAGCTGCTCCCTGGTTCCACTCTGGAGA
GTAATCTGGGACATCTTAGTGTGTTTTGTTTTGTTTTTCCCTCCTTTTTTTTTGGGGGGAGTGTGTG
TGGGGTTTTTTTTAGTCTGTTTTTTAATTCATTAAACAGTGGTTAGCCCTTAAGGGGAGGAGGAC
GGATTGATTCCACATCCACTTCTAGATCTAGTTTAGAAAACATGTTCCCATCTGGTGTCTTAGGA
AGGAGTATAGTAAATGCCTCATTTAATAACATACTCCTTTTTGAAAGTTGCCTTTTCTCTCCACCCTTG
AGTAGATCCAGTATTTGATGAAACTCATGAAAGTGGGTGGAGCCCATCTGCCCTCCTTTTTCTAGG
ACGCACTATATGTGACTGTGACTTTCAAGGACATTTGTTTGCATTTGCTGATTTTTGGGAAGTTAA
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GCTGGGGGTAGGGTGGGGTGGGAGAACACTTAACAACATGGGGACCAGTCAGGGGAATCCCCTTATT
TCTGTTTTGCATATGAGGAACCTTAGAGCAGCCAGGTGAGGCTCTCTAGTTAATAAAAAATCATGGAAA
GACTCTTAATGCAGACTCTTCTAAGTGTAAATAGGGATTTTTTTCAGCTATTTTTGGTTGCAGTTTCCA
ATTTTTAAAAATGTTGAGGTAATCTTCCACCTTCCCAAACCTAATTCTGTAGATGCATTAGTGTG
AACCAATGCTTCTCATGTCTCAATTCTTGTATATGCATTCTTTTTCAGATGATTAACAACAAAAA
CCCTTCAAGCCAGCCTGAGGGTGTATTTTTCCCTCCGCTCTTACTTTTCAGATATTGAGGAGTGG
GAATTTGACTCTTGATAACATCAATTTCTAACAACCTTTGGGATAAAAATTTAAAGCTTTATTATTTTT
ATTTTCTGGCATTAGTTTGTAGATAATTTAGCCCTCTATATGTTTCAGGTTTGTGCTTCTCCTCTA
AGTTTGACCTTCCCTTAAATACCAAGTAGGTCCATAATAATTCTTAGTGAAGCAGTGTTGAGGAAGCT
CACTGCTCATGGTGAAGGAAATGTCAGTGTACCTTTAATCCATAGATCATTGAAAAGCAGCTCATTTT
CCCCAAGTTTTCTGCATCAGTGGTTCTCCAAGTGGAGTGCAGCTTGAACAATGTGATTTTTAAGTTTT
CCAGGCATTTCTAAAAATGTAGCCAAGTTTGGGAATCACCACACCTAGTTGGTTATCTCAAACACTACT
ATCAGAATACAGGTTCTGTGCTGCGAATCTGAATATGGGATACATTTCTTTAGGTAGCAAGAAAGGT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001039802.2](#)

**Summary:**

The protein encoded by this gene is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. This protein is highly similar to *Saccharomyces cerevisiae* Cdc 42, and is able to complement the yeast *cdc42-1* mutant. The product of oncogene *Dbl* was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants. Pseudogenes of this gene have been identified on chromosomes 3, 4, 5, 7, 8 and 20. [provided by RefSeq, Apr 2013]

**Locus ID:**

998

**MW:**

77.1