

Product datasheet for **SC214613**

CDC42 (NM_001791) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CDC42 (NM_001791) Human 3' UTR Clone
Symbol:	CDC42
Synonyms:	CDC42Hs; G25K; TKS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001791
Insert Size:	2000 bp



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Insert Sequence: >SC214613 3'UTR clone of NM_001791
 The sequence shown below is from the reference sequence of NM_001791. 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
AAGAAGAGCCGCGAGGTGTGTGCTGCTATGAACATCTCTCCAGAGCCCTTTCTGCACAGCTGGTGTCCGGC
ATCATACTAAAAGCAATGTTTAAATCAAACATAAGATTAAAAATAAAATTCGTTTTTGCAATAATGAC
AAATGCCCTGCACCTACCCACATGCACTCGTGTGAGACAAGGCCCATAGGTATGGCCCCCCTTCCCC
CTCCAGTACTAGTTAATTTTGTGTAATTGTATTGTCAGAAAAGTGATTAGTACTATTTTTTTTTGTTG
TTTCAAAAAAAAAATTTTGTGTGTGTGTTTTTTTTTTTTTTTTTTTTTTTGTGTTTAAAAGCAAGGCA
TGCTTGTGGATGACTCTGTAACAGACTAATTGGAATTGTTGAAGCTGCTCCCTGGTTCCACTCTGGAGA
GTAATCTGGGACATCTTAGTGTGTTTTGTTTTGTTTTTCCCTCCTTTTTTTTTGGGGGGAGTGTGTG
TGGGGTTTTTTTTAGTCTGTTTTTTAATTCATTAAACAGTGGTTAGCCCTTAAGGGGAGGAGGAC
GGATTGATTCCACATTCCACTTCTAGATCTAGTTTAGAAAACATGTTCCCCATCTGGTGTCTTAGGA
AGGAGTATAGTAAATGCCTCATTTAATAACATACTCCTTTTTGAAAGTTGCCCTTTCTCTCCACCCTTG
AGTAGATCCAGTATTTGATGAAACTCATGAAAGTGGGTGGAGCCCATCTGCCCTCCTCTTTTCTAGG
ACGCACTATATGTGACTGTGACTTTCAAGGACATTTGTTGCCATTTGCTGATTTTTTGGGAAGTTAA
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TCTGTTTTGCATATGAGGAACCTTAGAGCAGCCAGGTGAGGCTCTCTAGTTTAAATAAATCATGGAAA
GACTCTTAATGCAGACTCTTCTAAGTGTAAATAGGGATTTTTTCCAGCTATTTTGGTTGCAGTTTCCA
ATTTTTAAAAATGTTGAGGTAATCTTCCACCTTCCCAAACCTAATTCTGTAGATGCATTAGTGTG
AACCAATGCTTTCTCATGTCTCAATTCTTGTATATGCATTCTTTTCCAGATGATTAACAACAAAAA
CCCTTCAAGCCAGCCTGAGGGTGTATTTTTCCCTCCGCTCTTACTTTTCCAGATATTGAGGAGTGG
GAATTTGACTCTTGATAACATCAATTTCTAACAACCTTTGGGATAAAAATTTAAAGCTTTATTATTTTT
ATTTTCTGGCATTTTAGTTTGTAGATAATTTAGCCCTCTATATGTTCCAGTTTGTGCTTTCTCCTCTA
AGTTTGACCCCTTCCCTTAAATACCAAGTAGGTCCATAATAATTCTTAGTGAAGCAGTGTTCAGGAAGCT
CACTGCTCATGGTGAAGGAAATGTCAGTGTACCTTTAATCCATAGATCATTGAAAAGCAGCTCATTTT
CCCCAAGTTTTCTGCATCAGTGGTTCTCCAAGTGGAGTGCAGCTTGAACAATGTGATTTTTAAGTTTT
CCAGGCATTTCTAAAATGTAGCCAAGTTTGGGAATCACCACACCTAGTTGGTTATCTCAAACACTACT
ATCAGAATACAGGTTCTGTGCTGCGAATCTGAATATGGGATACATTTCTTTAGGTAGCAAGAAAGGT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_001791.4](#)

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