

Product datasheet for **SC209889**

CDC42 (NM_044472) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CDC42 (NM_044472) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CDC42
Synonyms: CDC42Hs; G25K; TKS
ACCN: NM_044472
Insert Size: 805 bp
Insert Sequence: >SC209889 3'UTR clone of NM_044472
The sequence shown below is from the reference sequence of NM_044472. 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  
CAACCCAAAAGGAAGTGTGTATATTTCTAACTGTTTTCTCCTTCCCTTCTTTGCTGCTGCTTCCTGTG  
CCACTACTGTAGAAAGATCGTTTTAAAAACAAGGAATAAAACCATCCTGTTTGAAAGCCTCTGCGTCTT  
TTTACTACCACCTTAGAGCAACCTCTGTATTAGTTTTTGATCAAGAATGCAATATCATATAAAATTTTT  
TGTGATCAGTAGTCAAGTTGGACTTGTTTTAACGTTCTGCTGCTTGAGTTGCCTGATGCTCAGAGCTTT  
TTGGTTTGGATTACTATTGCAAAAGGGAAGTGGTCTGGCTTTAAGAATGTCTCTTGGAGAAAATAAC  
AAGAGTTTTAACACTTCTAGATCTTAGTCTAGATGGAGAAAGTAACACAAACATCATTTTACTCTTAT  
GATCAATTGTTAATTGTAATTGCATGACAAACCTTATGGAAAAGGGGTGACCTAGTAGAGTGAATGGG  
GAAGGGAGGATTCTTTTCTGGTTTTCTTTGTGCGGTGAAACTTTGTGTTGCTGTGCTTTGGCTGTCT  
GTGCTGTAGTGGAGTATTTGTCAGTCTGGGTGGGAAGATATTGATGTATCTGCTACTGCTTTATGAG  
TTCATTTGTTACATTATCTTTAAGAATAACATCCATTTAAACAGTTGACTTACAGTTTGTAAATGCTG  
AGATGTAAGCTGCCACCTTTATATTTTCTGCTTCTGATTTTATTGTGAGGGAAATATACAATTGTGG  
TTACCTTCAAATTTTGAATTAATAAATATACAACCGTTTGTATAAA  
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA  
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).



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| 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_044472.3 |
| 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 <i>Saccharomyces cerevisiae</i> Cdc 42, and is able to complement the yeast <i>cdc42-1</i> mutant. The product of oncogene <i>Dbl</i> 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: | 31.4 |