

Product datasheet for **SC323272**

DOCK9 (NM_001130050) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DOCK9 (NM_001130050) Human Untagged Clone
Tag: Tag Free
Symbol: DOCK9
Synonyms: ZIZ1; ZIZIMIN1
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001130050, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGCTGATAAATGCAGGACAAGTAGTAGAAGTGTCAAAAAGGAACTGGTGATTGAG
TCCCCCTGCAATACAAGGATGCAGCTCAGGGCGAAGTGGAAAGCAGAGAGCCCGGCCCT
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CAGACGGCCATCCTGAGACGACAGGGTCGATACATATGCTCAACAGTGCCTGCGAAGGCG
GAAGAGGAAGCACAGAGCTTGTTTGTACAGAGTGCATCAAACTATAACTCTGACTGG
CATCTTGTGAACATAAATATGAAGACTACTCAGGAGAGTTTCGACAGCTCCGAACAAA
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GATGAGGATGCTGCCTCCCTTGTTCCAGAAGGGTGGGATCACCAAGCATGGCTGGCTG
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AACAAAGTCAGGCGTTTTGCTTTGAGCTCAAGATGCAGGACAAAAGTAGTTATCTCTTG
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GTCCTTACAGGGGAGCATCACACATTGCGCTGAGCCATATATGAAAAGTTCAGACTCTTCT
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TTAGGCAATCTAGACATTACAATTGATAATGTTTCCTCAGACTTCCCTAATTATGTAAAT
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GTGGAGGAATTTGTGCCCTGCATACAAAACACACTCAGCCTTACACCATCTACACCAAT
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CGGAATCATAGCCTTGTGTCTTCAAGAGATGTTTACCTTATGGACAGGGGCTTT
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GTGAGGGATGTGTACCCTTCCCTGTGAACGCGGGCATGACTGTGAAGGATGAATCCCTG
GCTCTACCAGCTGTGAATCCGCTGGTGACGCCGAGAAGGGAAGCACCTGGACAACAGC
CTGCACAAGGACCTGCTGGGCGCCATCTCCGGCATTGGTAACGCTCCATGCTCTTGTGGG
CTTCTCTCCACATCACTCTGAAAGTGTCTTGGAGCCAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001130050
- 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:

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_001130050.1](#), [NP_001123522.1](#)

RefSeq Size: 4111 bp

RefSeq ORF: 3762 bp

Locus ID: 23348

UniProt ID: [Q9BZ29](#)

Cytogenetics: 13q32.3

Gene Summary: Guanine nucleotide-exchange factor (GEF) that activates CDC42 by exchanging bound GDP for free GTP. Overexpression induces filopodia formation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR, 5' coding region, and 3' UTR, and lacks several exons in the 3' coding region, compared to variant 1. The resulting isoform (d) has distinct N- and C-termini, and is shorter than isoform a.