

Product datasheet for **SC338131**

DOCK10 (NM_001290263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOCK10 (NM_001290263) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOCK10
Synonyms:	DRIP2; Nbla10300; ZIZ3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001290263, the custom clone sequence may differ by one or more nucleotides

ATGAGTTTTGAGGGAAGGTTTTAAACGGGAGCCAGTGAATTTTGAAGAAGAGACGAACTGTGAGGA
GAGTAAACCAAGAAGAAATCCACAGATTTAGTTCTCAAGAAAAGCCTAGGCTTCTCGAGCCTTTGGATTA
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CAGACAATTCTGCAGCAAATTGGGAAAATACCGTATGCCTTTTGCTTGGGCAGTAAGATCAGTATTTAAG
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CGACCTGTCAAAGCGCGGAGTGGACCAACCTGCACTCGAGTAATTAGCAAAGCAACTCCGGCCCTACCC
ACGGTCTCCATCTCATCTAGTGTGAAGCTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290263
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).
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:	<u>NM_001290263.1, NP_001277192.1</u>
RefSeq Size:	7288 bp
RefSeq ORF:	6543 bp
Locus ID:	55619
UniProt ID:	<u>Q96BY6</u>
Cytogenetics:	2q36.2

Gene Summary:

This gene encodes a member of the dedicator of cytokinesis protein family. Members of this family are guanosine nucleotide exchange factors for Rho GTPases and defined by the presence of conserved DOCK-homology regions. The encoded protein belongs to the D (or Zizimin) subfamily of DOCK proteins, which also contain an N-terminal pleckstrin homology domain. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Mar 2014]

Transcript Variant: This variant (2; also known as DOCK10.2) represents use of an alternate promoter, differs in the 5' UTR and 5' coding region, and initiates translation at a distinct start codon, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.