

Product datasheet for **SC318715**

DOCK10 (NM_014689) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOCK10 (NM_014689) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOCK10
Synonyms:	DRIP2; Nbla10300; ZIZ3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014689 edited

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 CTCTCCACAGTCATGAATGAGCAGATTACGGGCAGGGACGACCTGTCAAAGCGCGGAGTG
 GACCAAACCTGCACTCGAGTAATTAGCAAAGCAACTCCGGCCCTACCCACGGTCTCCATC
 TCATCTAGTGCTGAAGTCTGA

Restriction Sites:

Please inquire

ACCN:

NM_014689

Insert Size:

7000 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was fully sequenced and ORF matches with that of NM_014689.2. One SNP exists in the ORF.
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_014689.2, NP_055504.2</u>
RefSeq Size:	7431 bp
RefSeq ORF:	6561 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 (1; also known as DOCK10.1) encodes 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.