

Product datasheet for SC328097

DOCK8 (NM_203447) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOCK8 (NM_203447) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOCK8
Synonyms:	HEL-205; MRD2; ZIR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328097 representing NM_203447. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACTCTGCCGAGCGCAGAGCGCCGCGCTTCGCGCTCAAGATCAACAGGTATTCTTCAGCGGAA
ATAAGGAAACAGTTTACTCTCCACCAAACCTTGGCCAGTACCATCGACAGAGCATAAGTACCTCTGGC
TTCCCCTCTCTCAACTACCTCAGTTTTATGACCCTGTGGAGCCAGTGGACTTTGAAGGACTTCTGATG
ACACACCTGAACAGCCTGGATGTGCAGCTTGCCAGGAGCTCGGGGACTTCACTGATGACGACTTGGAC
GTGGTGTTCACGCCAAAGGAATGTAGGACTTTGCAGCCCTTTTCCGGGAGGAAGGGTTGAACTGGAC
CCTCATGTGAGGACTGTGTTGAGCCTACATCCGTGAGTGGCTAATCGTGAACCGGAAAAACCAAGGA
AGTCCAGAAATCTGTGGCTTTAAAAGACTGGATCTCGAAAAGATTTTCAAGAGCGCTTCCGAAACAG
ACGTTTGTAGTCGAAAACCTTGGAGTGCAGTGAACCCGCTGCTCAGGCAGGCCCCGCCACTTAAACGTG
CTGTGCGACGTGTCTGGGAAAGGCCCGTCACTGCCTGTGACTTTGACCTCCGCAGCCTGCAGCCTGAC
AAGCGGTAGAAAACCTCCTGCAGCAAGTGAAGTCCGAGGACTTTGAGAAGCAGAACGAGGAGGCCCGG
AGGACCAATAGGCAGGCCGAGCTCTTGGCCCTTACCCATCAGTGGACGAGGAGGATGCTGTGAAAATA
CGTCCAGTACCAGAATGTCCAAGGAACACCTGGGCAACAGAATATTGGTCAAGTTGCTGACCTTGAAG
TTCGAGATTGAAATTGAGCCCTGTTTCCAGCATTGCCCTCTACGATGTTAAAGAAAGGAAAAAGATC
TCAGAAAATTTTCACTGTGACCTGAACTCTGACCAGTTCAAAGGATTTCTGCGAGCTCACACGCCTTCA
GTGGCCGCATCAAGTCAGGCGAGATCTGCAGTCTTCTCAGTCACCTACCGTCTCAGACATCTACCTG
GTAGTCAAGATTGAAAAAGTCCGTCAGCAGGGAGAGATTGGAGACTGTGCAGAGCCCTACACGGTTATC
AAAGAAAGTGAAGTGGTGGAAAGAGTAAAGAAAAGATTGAAAACTAAAACCTCAAGCTGAATCCTTCTGC
CAGCGTTTGGGAAATACCGGATGCCCTTTGCCTGGGCACCCATAAGCTTATCAAGCTTCTTCAATGTC
TCCACCTTGAGAGGGAGGTAAGTGTGACTCTGTGGTTGGGAGAAGCTCAGTGGGTGAACGGAGG
ACATTGGCCCAATCTAGAAGGCTTTCTGAAAGAGCCCTCTCCTTGGAGGAAAATGGGGTTGGATCCAAC
TTCAAACCTCCACTCTGAGCGTTAGCAGCTTTTTCAAGCAGGAAGGAGATCGCCTTAGCGATGAAGAC
TTATTCAAGTTTTAGCTGACTACAAAAGATCATCATCTTACAGAGACGAGTCAAGTCAATCCAGGC
```



[View online »](#)

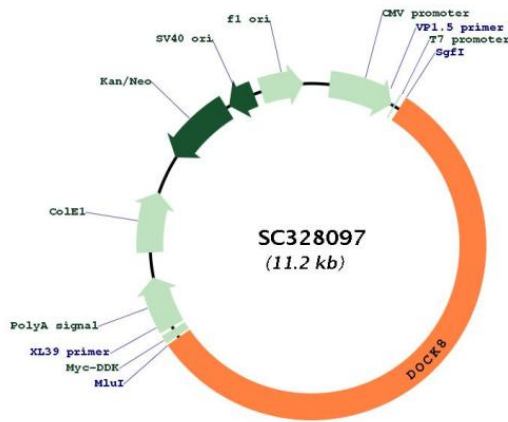
TTGCTAAGACTGGAGATTTCTACAGCTCCAGAGATCATCAATTGCTGTCTGACTCCTGAAATGCTGCC
 GTGAAACCCTTTCTGAAAACCGGACACGCCCGCACAAGAGATTTTGAATTTCCAACACGAGAAGTA
 TATGTCCCTCACACTGTGTACAGAAACCTTCTCTATGTCTACCCACAGAGGCTGAACTTTGTAACAAA
 CTAGCATCAGCCCGAACATTACAATAAAGATCCAGTTTATGTGTGGAGAAGATGCTAGCAATGCGATG
 CCGGTATCTTTGAAAAATCCAGCGGCCCTGAATTTCTGCAGGAAGTGTACACAGCTGTTACATACCAT
 AATAAGTCTCCTGACTTTTATGAAGAAGTGAATAAAGCTCCCCGCTAAGCTCACAGTAATACCAC
 CTCCTGTACCTTCTACCATATCAGCTGTCAGCAGAAGCAAGGAGCCTCCGTGGAAACTCTCCTGGGA
 TATTCATGGCTGCCAATCTCTTAATGAACGTCTTCAAACCTGGATCCTACTGTCTCCCAGTTGCCTTG
 GAAAAATTGCCACCCAATACTCCATGCATTCTGCTGAGAAAAGTCCCAATACAGAATCCTCCCATTAAG
 TGGGCTGAAGGACATAAGGGAGTATTTAATATTGAAGTGAAGCTGTTTCTTCTGTACACACCCAGGAC
 AACCACTGGAGAAGTTCTTACCCTCTGCCACTCCCTGGAGAGCCAGGTGACCTTCCCCATCCGCGTG
 CTGGATCAGAAAATCAGCGAGATGGCGCTGGAGCATGAGCTGAAGCTCAGCATCATCTGCCTGAACTCC
 TCCCGCTGGAGCCGCTCGTCTCTTCTGCACCTGGTGTGGACAAGCTTCCAGCTGCTCGTGCAG
 CCCATGGTCATCGCTGGCCAGACAGCAACTTCTCCAGTTTGCCTTCGAGTCCGTGGTGGCCATCGCC
 AACAGTCTGCACAACAGCAAGGACTGAGCAAGGACCAGCATGGGAGGAACTGCCTGCTGGCTTCTAC
 GTGCACTACGTCTTCCGCTGCCAGAGGTGCAAAGGGATGTGCCAAGTCAAGCGCTCCCACTGCCCTC
 CTAGACCTCGGAGCTACCACACGTATGGCCGCACATCAGCTGCTGCTGTGAGTTCAAAGCTGCTGCAG
 GCCCGGTGATGAGCAGCAGTAACCCAGACCTCGCGGGGACACTCCGACGAGACGAGGAAGTGAAG
 AACATCATGTCTTCAAAGATCGCCGATCGCAACTGCAGCCGAATGTCTTACTATTGCTCTGGCAGTAGT
 GATGCTCCAAGTTCACCTGCAGCCCCAAGGCCAGCCAGCAAAAAGCATTTCATGAGGAGCTTGCCTT
 CAGATGGTGGTCAGCACCAGGATGGTGAGAGAAACAGTCTTCAAGTATGCCTGGTCTTCTTTGAGCTT
 CTGGTGAAGCATGGCCAGCACGTACATAACATGGACAACCGGACAGTTTTCCGAGGACCTCGTTTT
 TCTGACCGTTTTCATGGATGACATAACTACTATTGTTAATGTGGTCACTCGGAAATGGACCTTTTTA
 GTAAAACCACAGAAGGAAAATGAACAGGCGGAAAAGATGAACATCAGCCTGGCTTCTTCTGTATGAC
 CTCTCTCCCTCATGGATCGGGGCTTTGTGTTAACCTCATCAGACATTATTGCAGCCAGCTGTCAGCC
 AAGCTCAGTAACCTTCCAACGCTCATTTCCATGAGGCTAGAGTTCCTGAGAATCCTCTGTAGCCATGAG
 CATTACCTCAATCTGAACCTTTTTTTTTATGAATGCTGATACTGCTCCAACATCTCCTTGCCTTCCATA
 TCTTCCCAGAACTCAAGCTCCTGCTCCAGCTTCCAGGACCAGAAGATCGCCAGCATGTTGATCTGACT
 TCCGAGTACCGCCAGCAGCACTTCTCACCAGGCTCCTCTTACAGAACTGGCTGCTGCCCTGGATGCC
 GAAGGGGAAGGAATCAGCAAAGTACAAAGGAAAGCTGTCAGTGAATTCACAGCCTGCTAAGTTCTCAC
 GACCTGGACCCAGCTGTGTCAAACCAGAGGTGAAGGTCAAATCGCCGCCCTTTACCTACCTTTAGTT
 GGCATCATTTTGGATGCTTTGCCACAGCTCTGTGACTTTACAGTTGCAGATACTCGCAGATACCGCACC
 AGTGGCTCGGATGAAGAACAAGAAGGAGCCGGTGCCATTAACCAGAATGTGGCTCTGGCCATAGCAGGG
 AATAATTTCAATTTGAAAACAAGTGAATAGTGTGTCTTCTTGCCTATAAGCAGTACAACATGCTG
 AACCGGACACTACTCGCAACCTCATGATCTGCTTCTCTGGATCATGAAAAATGCTGATCAGAGCCTC
 ATTAGGAAGTGGATTGCTGACCTGCCATCAACGAGCTCAACAGGATTTTAGATCTACTTTTTCATCTGT
 GTGTTATGTTTTGAGTATAAGGGAAAACAGAGTCTGACAAAAGTCAAGTACCAAGTCTGCAGAAGTCA
 AGGGATGCAAGGCCCGCTGGAAGAGGCTTTGCTCCGTGGGGAAGGGCCAGAGGGGAGATGATGCGC
 CGCCGGGCTCCAGGGAACGACCGATTTCCAGGCCTAAATGAAAATTTGAGATGGAAGAAAGAGCAGACA
 CATTGGCCGCAAGCTAATGAGAAGCTAGATAAAAACAAGGCCGAGTTAGATCAAGAAGCCTTGATCAGT
 GGCAATCTGGCTACAGAAGCACATTTAATCATCTGGATATGCAGGAAAACATTATCCAGGCGAGCTCG
 GCTCTGGACTGTAAGACAGCCTGCTGGGAGGTGTTCTGAGGGTGTGGTGAATTCTCTGAACTGTGAT
 CAGAGTACCACCTACCTGACTACTGCTTTGCAACTCCGTGCTCTCATCGCCAAGTTTGGAGACTTA
 CTCTTGAAGAGGAGGTGGAACAGTGTTCGACCTATGTCACCAAGTCTGCACCACTGCAGCAGCAGC
 ATGGATGTCACCCGAGCAAGCCTGTGCCACCCTTTACCTCCTCATGAGGTTCAAGTTTGGAGCCACC
 AGTAATTTTGAAGAGTAAAGATGCAAGTAACCATGTCCCTGGCATCTTTGGTGGGAAGAGCACCAGAC
 TTTAATGAAGAGCACCTGAGAAGATCCTTGAGGACAATTTGGCCTATTCAGAAGAGGACACAGCCATG
 CAGATGACTCCTTTCCACCCAGGTGGAGGAACTTCTCTGTAATCTGAATAGCATTTATATGACACA
 GTGAAAATGAGGGAAATTTAGGAAGATCCTGAGATGCTTATGGATCTCATGTACAGAATTGCCAAGAGT
 TACCAGGCATCTCCTGATCTGCGGCTGACCTGGCTCCAGAACATGGCAGAGAAAACACACCAAGAAGAAG
 TGCTACACGGAGGCTGCCATGTGCTGTGACGCCGCTGCGTTAGTGGCTGAGTATCTGAGCATGCTG
 GAGGACCACAGCTACCTGCCGTGGCAGTGTGAGCTTCCAGAATATTTCTTCAATGTGCTGGAGGAG

TCTGTGGTCTCTGAGGACACCCTGTCACCTGACGAGGATGGGGTGTGCGCAGGCCAGTACTTCACCGAG
 AGTGGCCTGGTAGGCCTCCTGGAGCAGGCCGCGGAGCTCTTCAGCACGGGAGGCTTATATGAGACAGTT
 AATGAGGTCTACAAGCTGGTCATCCCCATCCTAGAAGCGCATCGAGAATTCGGAAGCTGACACTCACT
 CACAGCAAGCTGCAGAGAGCCTTCGACAGCATCGTTAACAAAGGATCATAAGAGAATGTTTGGAACCTAC
 TTCCGAGTTGGTTTCTTTGGATCCAAATTTGGGGATTTGGATGAACAGGAGTTTGTCTACAAGAGCCT
 GCAATTACCAAGCTTCTGAGATCTCACATAGACTAGAGGCATTTTATGGTCAATGTTTGGTGCAGAA
 TTTGTGGAAGTGATTAAGACTCCACTCCTGTGGACAAAACCAAGTTGGATCCTAACAAAGCCTACATA
 CAGATCACTTTTGTGGAGCCCTACTTTGATGAGTATGAGATGAAAGACAGGGTCACATACTTTGAGAAG
 AATTTCAACCTCCGGAGTTTCATGTACACCACCCCGTTACCCTGGAGGGGCGGCCTCGGGGAGAGCTG
 CATGAGCAGTACAGAAGGAACACAGTCCTGACCACTATGCACGCCTTCCCCTACATCAAGACCAGGATC
 AGCGTCATCCAGAAGGAGGAGTTTGTGTTTACACCGATTGAAGTTGCCATTGAAGACATGAAGAAGAAG
 ACCCTGCAGTTAGCAGTTGCCATTAACCAGGAGCCGCCTGATGCAAAGATGCTTCAGATGGTGCTGCAA
 GGCTCTGTGGGAGCTACTGTAATCAGGGACCACTGGAAGTAGCCCAAGTGTGTTTGGCTGAAATTCCT
 GCTGATCCAAACTCTATCGACATCACAACAAGTTGAGGTTATGCTTTAAGGAATTCATCATGAGATGT
 GGTGAAGCTGTAGAGAAAAACAAGCGTCTCATCACGGCAGACCAGAGGGAATATCAGCAGGAACTCAA
 AAGAACTATAACAAGCTAAAAGAGAACCTCAGGCCAATGATCGAGCGGAAAATTCAGAAGTGTACAAG
 CCAATATTCAGAGTTGAGAGTCAAAGAGGGACTCCTCCACAGATCTAGTTTCAGGAAATGTGAAACC
 CAGTTGTCACAGGGCAGCTAA
 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:

NM_203447

Insert Size:

6300 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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_203447.3
RefSeq Size:	7470 bp
RefSeq ORF:	6300 bp
Locus ID:	81704
UniProt ID:	Q8NF50
Cytogenetics:	9p24.3
MW:	238.5 kDa
Gene Summary:	<p>This gene encodes a member of the DOCK180 family of guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with Rho GTPases and are components of intracellular signaling networks. Mutations in this gene result in the autosomal recessive form of the hyper-IgE syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>