

## Product datasheet for **SC122510**

### **DOCK8 (BC019102) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DOCK8 (BC019102) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOCK8
Synonyms:	1200017A24Rik; dedicator of cytokinesis 8; FLJ00026; FLJ00152; FLJ00346; MRD2; OTTHUMP00000044124; OTTHUMP00000044125; OTTHUMP00000044308; OTTHUMP00000096442; ZIR8
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC019102 edited
GGCACGAGGGACTTACTCTTCGAAGAGGAGGTGGAACAGTGTTTCGACCTATGTCACCAA
GTCCTGCACCACTGCAGCAGCAGCATGGATGTCACCCGGAGCCAAAGCCTGTGCCACCCCTT
TACCTCCTCATGAGGTTTCAGTTTTGGAGCCACCAGTAATTTGCAAGAGTAAAGATGCAA
GTAACCATGTCCCTGGCATCTTTGGTGGGAAGAGCACCAGACTTAATGAAGAGCACCTG
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CCTTTTCCACCCAGGTGGAGAACTTCTCTGTAATCTGAATAGCATCTTATATGACACA
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AACAAAGCTAAAAGAGAACCTCAGGCCAATGATCGAGCGGAAAATTCAGAACTGTACAAG
CCAATATTCAGAGTTGAGAGTCAAAGAGGGACTCCTTCCACAGATCTAGTTTCAGGAAA
TGTGAAACCCAGTTGTCACAGGGCAGCTAAGAAAAGCCATCTTCAATTCGTGGAGACTGTG
GCCCTGCAACCCTGGAGAAGGACTTGTGTTACTTAAAAAATGGGACATTTGCCACCCAG
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AAATCATCATGGTTGAAATTTGGGAGGAGATTTTGTGAACCTGTTACCCTTTTGGTA
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CATGCATTTATAGAAGAAACATTCAAAGCACTGATGTAGGAGATACACGGTACTTGGAG
CAGTCAGCCAAAATCACAGATACTGCTTTCCTTAAATGGAAACAATTCCTCGATAATG
CTTTGCTTTTTTCTTATGTCACCTTGTGTAATCTATTTTTCTCCTCTCTGGGACCA
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GTGACCTTGACTGATAATAAAGATGTAATAAGAATTGCAAGCTAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC019102 unedited NNNNCCAGTTCAGATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGGAC TTA CTCTTCGAAGAGAGGTGGAACAGTGTTCGACCTATGTCACCAAGTCTGCACCACT GCAGCAGCAGCATGGATGTCACCCGGAGCCAAGCCTGTGCCACCCTTTACCTCCTCATGA GGTTTCAGTTTTGGAGCCACCAGTAATTTTGCAAGAGTAAAGATGCAAGTAACCATGTCCC TGGCATCTTTGGTGGGAAGAGCACCAGACTTTAATGAAGAGCACCTGAGAAGATCCTTGA GGACAATTTTGGCCTATTTCAGAAGAGGACACAGCCATGCAGATGACTCCTTTTCCCACCC AGGTGGAGGAACCTCTCTGTAATCTGAATAGCATCTTATATGACACAGTAAAATGAGGG AATTTTCAGGAAGATCCTGAGATGCTTATGGATCTCATGTACAGAATTGCCAAGAGTTACC AGGCATCTCTGATTTGCGGCTGACCTGGCTCCAGAACATGGCAGAGAAACACACCAAGA AGAAGTGCTACACGGAGGCTGCCATGTGCCTGGTGACGCGCTGCGTTAGTGGCTGAGT ATCTGAGCATGCTGGAGGACCACAGCTACCTGCCCGTGGGCAGTGTGAGCTTCCAGAATA TTTCTTCCAATGTCTGGAGGAGTCTGTGGTCTCTGAGGACACCCTGTACCTGACGAGG ATGGGGTGTGCGCANGCCANTACTTCACCGAGAGTGGCCTGGTANGCCTCCTGGAGCANG CCGCGGAGCTCTCAGCACGGGAGGCTTATATGAGACAGTTAATGANGTCTACAAGCTGG TCATCCCCATCCTAGAAGCGCATCGAGAATTCCGGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC019102
<b>Insert Size:</b>	2904 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC019102.1</a> , <a href="#">AAH19102.1</a>
<b>RefSeq Size:</b>	2904 bp
<b>Locus ID:</b>	81704
<b>Cytogenetics:</b>	9p24.3
<b>Gene Summary:</b>	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]