

## Product datasheet for MR216317

### Dock9 (NM\_001128307) Mouse Tagged ORF Clone

#### Product data:

|                          |  |
|--------------------------|--|
| Product Type:            | Expression Plasmids  |
| Product Name:            | Dock9 (NM_001128307) Mouse Tagged ORF Clone                                    |
| Tag:                     | Myc-DDK  |
| Symbol:                  | Dock9  |
| Synonyms:                | AA959601; AW538057; B230309H04Rik; D14Wsu89e; mKIAA1058; Zizimin1              |
| Vector:                  | pCMV6-Entry (PS100001)   |
| E. coli Selection:       | Kanamycin (25 ug/mL)   |
| Cell Selection:          | Neomycin   |
| ORF Nucleotide Sequence: | >MR216317 representing NM_001128307<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTGCACTACCAGCGTGATTCTCTCAAAGGCATCCGTACCGTTTTGAGAGAACTGTGCTTACA  
TGTGCAAGCAGCCGGGAGAGAGTAATGCCCTTGAATATACAGCATACAATTGGTCAAAGAAGACTCTGA  
ACTATCGATCGCCTTCTGCCTGGCAAAGCCAAAGCTGATCGAGCCACTGGACTACGAAAAATGTCATCGTG  
CAGAAGAAGACGCAGATCCTAAACGACTGCCTGCGGGAGATGCTCCTCTCCCTTATGATGACTCCAGA  
CGGCCATCCTGAGGCGGAGGGGCGGTACTTACGCTCCACGGTCCCTGCAATGCAGAGGAGGAAGCACA  
GAGCCTGTTTGTCACTGAGTGCATCAAACCTACAACCTGACTGGCATCTTGTGACCTATAAATATGAA  
GATTACTCAGGAGAGTCCGACAGCTTCCAACAAAGTGCCTAAGCTGGATAAATCCGGTCCACGTCT  
ATGAAGTCGATGAGGAGGCCGACAAAGATGAGGATGCTGCTTCCCTTGGGTCTCAGAAGGGCGGGATCAC  
CAAGCATGGCTGGCTGTACAAAGGCAACATGAACAGCGCCATCAGCGTGACGATGAGGTCATTCAAGAGG  
CGGTTTTCCACCTGATTCAACTTGGCGATGGATCCTATAATCTAACTTTATAAAGATGAGAAGATCT  
CCAAGGAACCGAAAGGGTCCATATTCTGGATTCTGATGGGTGTGATCCAGAACAACAGAGTCAGGCG  
CTTCGCTTTTGAAGCTCAAGATGCAAGACAAAAGCAGTTACCTTCTGGCGCAGACAGCGAGGCAGAGATG  
GAGGAGTGGGTCACTGTTCTCAACAAGATCCTCCAGCTCAACTTTGAAGCCGCAATGCAAGAAAAGCGGA  
ACGGGGATCCTCATGAAGATGACGAGCAGAGCAAACCTGGAAGGTTCTGGTCCGGTTTGGACAGCTACCT  
GCCTGAACTTGCCAAGAGCACCAGAGAAGCAGAGATCAAATTGAAAAGCGAGAGCAGAGTGAAGCTTTTT  
TACTTGGACCCAGATACCCAGAACTTGACTTCTCATCCGCTGAACCAGAAGTGAAGCCCTTTGAAGAAA  
AGTTTGGAAAAGGATTCTCGTCAAGTGAACGATTTGCTCTTAACTGCAGTGTGTGTCGAGAGAA  
TGAGGAAGGACCCACGACAAATGTCGAGCCTTTCTTTGTCACCCTGTCCCTGTTTCGACATAAAATACAAC  
CGAAAGATTTCTGCTGACTTCCACGTGGACCTGAACCACTTCTCAGTGCGGCAGATGCTGACCCCACTG  
CCCCAGCTCTGATGAATGGTGGCCAGAGCCACCTGCCTTCCAGGATGCCCTTATACAGCCATGCAGTA  
TCCGAAGCAGGAATATTTTCAGTCACGTGTCCTCACCCAGACATATTTCTGTGGCCAGAAATTGAGAAG  
GTCCTCAAGGAAGCATCACGCACTGTGCTGAACCGTATATGAGAAGCTCAGACTCTTCTAAGGTTGCC



[View online >](#)

AGAAGGTGCTGAAGAATGCCAAGCAGGCATGCCAAAGACTAGGACAGTACAGAATGCCATTCGCCTGGG  
 AGCAAGGACGTTGTTAAAGACACCTCTGGAAACCTGGATAAAAACGCCAGATTTCTGCCATCTACCG  
 CAAGACAGCAATAAGCTTTCAAATGATGACATGCTCAAGCTGCTCGCAGACTTCCGGAAACCTGAGAAGA  
 TGGCCAAACTCCCAGTGATTTTAGGCAATCTAGACATTACAATTGACAGTGTTCCTGTGACTTCCCTAA  
 TTATCTAAATTCATACATATCCCATGAGGCAATTTGAAACCTGCAGTAAATCTCCAATCACTTTTGAA  
 GTAGAGGAGTTTGTGCCCTGCATACCCAAGCACACCCAGCCTTATACAGTCTACAGCAATCACTTTATG  
 TTTACCCAAAATACTTGAATATGACAGCCAGAAGTCGTTTGCCAAAGGCCAGAAACATTGCTATCTGCAT  
 TGAGTTCAAGGATCTGATGAAGAAGACTCTCAACCTTGAAGTGCATTTACGGCAGACCTGGTGGCCCG  
 GTGTTACGAGAAGTGCCTTGGCGGGTCTACACCATCAGCAAAACCCAGAATTCTACGTGAGATCA  
 AGATAGAGCTGCCCGCCAGCTGCATGAGAGGCACCATTTACTGTTACCTTCTTCCACGTGAGTGC  
 TAACTCCACAAAGGAAGCACGAAGAAGGACGCTGTGAAACGCAGTTGGCTTTTCTGGTGCCT  
 CTCCTGAAAGATGGAAGGGTGTGACGAGTGAGCAGCACATCCCCGTCTCGGCTAACCTGCCATCTGGCT  
 ACCTCGGCTACCAGGAGCTCGGCATGGCAGGCATTATGGTCCAGAGTTAAGTGGTGGAAAGGAGGCAA  
 GCCACTGTTGAAGATCTCCACTCATCTGGTTTCCACAGTGTACACTCAGGATCAACATTTACATAATTT  
 TTCCAATACTGTCAGAAAACGGAATCTGGAGCCAAAGCCTCAGGGAGTGAAGTAAATACCTTAAGA  
 GTCTGCATGCGATGGAAGGCCATGTGATGATCGCCTTCTTGGCCACCATTTAAATCAGCTATTCAGAGT  
 CCTCACAAGAGCCACCCAGGAGGAGTTGCTGTGAACGTGACACGGGTCAATTTATCATGTGGTTGCCAG  
 TGCCATGAGGAAGGATTGGAGAGCCACTTGAGGTCATATGTTAAGTTTGCCTATAAGGCTGAGCCGTACG  
 TTGCATCTGAGTATAAGACAGTGACAGGAACTGACGAAATCCATGACCACCATTTCTCAAGCCTTCTGC  
 CGATTTCTTACCAGCAACAACTTCTGAAGTACTCTTGGTTTTCTTTGATGTGCTGATAAAGTCCATG  
 GCTCAGCATTTGATTGAAAATAACAAAGTCAAGTTACTGCGGAACCAGAGATTTCCGGCTCCTACCATC  
 ACGCTGTGAAACCGTGGTGAACATGCTGATGCCACATACCCAGAAATTTGAGATAACCCAGAAGC  
 ATCTAAAATGCCAATCACAGCCTCGCTGTGTTTTCATCAAGAGATGCTTACCTTATGCATGGACAGGCTT  
 GTCTTCAAGCAGATCAACAACACTACATCAGTTGCTTTGCTCCCGGGGACCCCAAGACTCTCTTTGAGTACA  
 AGTTTGAGTTTCTCCGCTGGTGTGCAACCATGAACACTATATTCTTTGAATTTGCCGATGCCATTTGG  
 AAAAGGAAGAATTCAGAGATACCAAGATCTCCAGCTTGACTACTCTTAAACAGACGAGTTCTGCAGAAAC  
 CACTTCTTGGTGGGACTGTTGCTAAGGGAGGTGGGCACTGCGCTCCAGGAGTTCGGGAGGTCCGAGTCA  
 TCGCCATCAGCATGCTCAAGAACCTGCTGATAAAACATTTCTTTGATGACAGATAACAATTCGAGGAGTCA  
 CCAGGCAAGGATAGCCACTCTACCTGCCTCTGTTTGGTCTGCTATTGAAAATGTCCAGCGGATCAAC  
 GTGAGGGATGTGCACCCCTTCTGTGAACCCGGGCAGTATCGTGAAGGACGAAGCCCTGGCTGTGCCTG  
 CTGGGAATCCACTCATGACTCCGAGAAGGAAACACACTTGACCACAGCCTGCACAAGACCTCTTGGG  
 CGCCATCTCTGGATTGCTTCTCCGTATACAGCCTCAACCCCAACATCAACAGCGTGAGAAATGCCGAC  
 TCAAGAGGCTCTCTCATTAGCACGGACTCAGGGAACAGCCTTCCAGACAGGAACCCCGAGAAGAGCAACT  
 CTCTGGATAAGCAGCAGCAGAGTGGCATGCTGGGAAATTCCTGGTTTCGATGCGACAAACTGGACCAGTC  
 TGAGATCAAGAGCCTGCTGATGTGTTTCTCTACGTGCTGAAAAGCATGTCTGACGATGCCCTGTTTACA  
 TATTGGAACAAAGCTTCAACTGCTGAATTGATGGATTTCTTTACAATATCTGAGGTCTGCCTGCACCAGT  
 TCCAGTACATGGGAAGCGATACATAGCCAGAACAGGAATGATGCATGCCAGATTGCAGCAGCTGGGCG  
 CCTGGATAACTCTGTCACTTTTAAACCACAGCTACGGCCACTCAGAGGCAGATGTCGTTTACCAGTCTGCT  
 CTCGAAGCCAACATCGCTACTGAGGTCTGCCTCACAGCGCTGGACACCCTCTCTCTTACACTGGCTT  
 TTAAGAACCAGCTCCTAGCTGATCATGGGCATAATCCCCTCATGAAGAAAGTTTTTGGAGTCTACCTGTG  
 TTTCTTCAAAAACACCAGTCAAGAAATGGCTTTAAAAAACGTTTACTGCCTTAAAGTCTCTAATTTAT  
 AAGTTCCCTCGGCTTCTACGAGGGGCGGGCGGACATGTGTGCCTCCCTGTGCTATGAGGTCTCAAGT  
 GCTGCAACTCCAAGCTCAGTTCCATCCGGACGGAGGCTCCAGCTGCTCTACTTCTGATGAGGAACAA  
 CTTGACTACACAGGAAAGAAAGTCTTTTGTTCGGACGCACTTACAGGTATCATCTCTGTGAGCCAACTG  
 ATTGCAGATGTGGTTGGCATTGGAGGAACCAGATTCCAGCAGTCTTGTCTATCATCAACAACGTGCCA  
 ACAGCGACCGGATCATCAAGCACACCAGCTTTTCTCTGATGTGAAAGATTTGACTAAGAGGATCCGCAC  
 AGTCTGATGGCCACAGCCAGATGAAGGAGCACGAGAACGCCGAGATGCTGGTGGACCTCCAGTAC  
 AGCCTGGCTAAGTCTACGCCAGACCCCTGAGCTCAGGAAGACGTGGCTAGACAGTATGGCGAGGATTC  
 ACGTTAAAAATGGGGACCTCTCAGAGGGCGCAATGTGCTATGTCCACGTGACAGCCTTGGTGGCAGAATA  
 TCTCACACGGAAGGCATGTTTACAGAGGGGTGCACAGCCTTACGGGTTATCACACCAACATCGATGAA  
 GAGGCTTCCATGATGGAAGACGTCCGCATGCAGGACGTCCATTTCAACGAGGATGTGCTGATGGAGCTGC  
 TGGAGCAGTGTCCGATGGACTTTGGAAGGCGGAGCGCTACGAGCTGATCGCTGACATCTATAAGCTCAT

CATCCCCATCTACGAAAAGCGGAGGGATTCGAGAGACTAGCCCATCTGTATGACACGCTGCACCGCGCA  
TACAGCAAAGTGACAGAGGTCATGCACTCGGGCCGAGGCTCCTGGGGACCTACTTCCGGGTGGCCTTCT  
TTGGACAGGCAGCGCAATACCAGTTTACAGACAGTGAAACAGATGTGGAGGGTTCTTCGAAGACGAAGA  
TGGGAAGGAATACATCTACAAAGAGCCCAAGCTCACGCCTCTGTCAGAGATTTCTCAGAGACTCCTAAA  
CTTTACTCGGATAAATTTGGTTCCGAAAATGTCAAATGATACAGGATTCTGGCAAGGTCAACCCGAAGG  
ATCTGGACTCCAAGTTTGCCTACATCCAGGTGACCCACGTGACCCATTCTTTGACGAAAAGGAGTTACA  
AGAGAGGAGAACAGAGTTTGAACGATGTCACAACATCCGGCGCTTCATGTTTGAGATGCCCTTCACCCAG  
ACCGGGAAGAGGCAGGGTGGCGTGGAGGAGCAGTGTAAAGCGGCGACCATCCTGACAGCAATACACTGCT  
TCCCCTACGTGAAGAAGCGGATCCCTGTCATGTACCAGCACCACACTGACCTGAACCCATTGAGGTGGC  
CATCGATGAAATGAGCAAGAAGGTGGCCGAGCTCCGCCAGCTCTGCTCGTCGGCTGAAGTGGATATGATC  
AAACTGCAGCTCAAAGTGCAGGGCAGTGTGAGCGTCCAGGTCAATGCTGGTCCGCTAGCATATGCCCGAG  
CCTTCTCGATGACACCAACACAAAAAGATACCCTGACAATAAGGTGAAACTGCTGAAGGAAGTTTTAG  
GCAATTTGTGGAAGCTTGTGGTCAAGCCTTGGCAGTGAACGAGCGTCTCATTAAAGAAGACCAACTGGAG  
TACCAGGAAGAGATGAAGGCCAACTACAGGAGATGGCCAAGGAGCTCTCCGACATCATGCGTGAGCAGA  
TGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

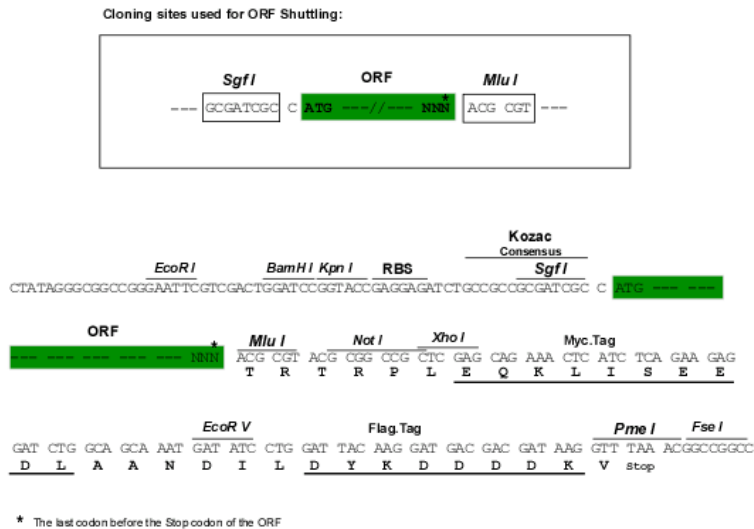
**Protein Sequence:** >MR216317 representing NM\_001128307  
 Red=Cloning site Green=Tags(s)

MGCTTSVILFKGIRTVFERNCAYMCKQPGESNALEYTAYNWSKEDSELIAFCLAKPKLIEPLDYENVIV  
 QKKTQILNDCLREMLLPYDDFQTAILRRQGRYLRSTVPANAEAAQSLFVTECIKTYNSDWHLVYKYE  
 DYSGEFRQLPNKVPKLDKLPVHVVEVDEEADKDEDAASLGSQGGITKHGWL YKGNMNSAISVTMRSFKR  
 RFFHLIQLGDGSYNLNFYKDEKISKEPKGSIFLDSCMGVIQNNRVRRAFELKMQDKSSYLLAADSEAEM  
 EEWVTVLNKILQLNFEAAMQEKRNGDPHEDDEQSKLESGSGLD SYLPELAKSTREAEIKLKSES RVKLF  
 YLDPDTQKLD FSSAEPEVKPFEEKFGKRILVKCNDLSFNLQCCVAENEEGPTTNVEPFFVTL SLFDIKYN  
 RKISADFHVDLNFHFSVRQMLTPTSPALMNGGQSPPAFQDALHTAMQYPKQGF SVT CPHPDIFLVARIEK  
 VLQGSITHCAEPMRSDSSKVAQKVLKNAKQACQRLGQYRMPFAWAARTLFKDTSGNLDKNARFSAIYR  
 QDSNKL SNDDMLKLLADFRKPEKMAKLPVILGNLDITIDSVSCDFPNYLNSSYIPMRQFETCSKSPITFE  
 VEEFVPCIPKHTQPYTVYSNHLVYYPKYLYKDSQKSAKARNIAICIEFKDSDEEDSQPLKCIYGRPGGP  
 VFRSALAAVLHHQONPEFYDEIKIELPAQLHERHLLFTFFHVSCDNSTKGSTKKKDAVETQVGF SWLP  
 LLKDGRLTSEQHIPVSANLPSGYLGYQELGMGRHYGPEVKWVEGGKPLLKISTHLVSTVYTQDQHLHNF  
 FQYQKTESGAQASGSELVKYLKSLHAMEGHVMI AFLPTILNQLFRVLTRATQEEVAVNVTRVIIHVVAQ  
 CHEEGLESHLRSYVKFAYKAEPYVASEYKTVHEELTKSMTTILKPSADFLT SNKLLKYSWFFFDVLIKSM  
 AQHLIENNKVLLRNQRFPA SYHHAVETV VNM LMPHITQKFRDNPEASKNANHSLAVFIKRCFTFMDRGF  
 VFQINNYISCFAPGDPKTLFEYKFEFLRVVCNHEHYIPLNLPMPFGKGRIQRYQDLQLDYSLTDFEFCRN  
 HFLVGLLLREVTALQEFREVRVIAISMLKNLLIKHSFDDRYNSRSHQARIATL YLPLFGLLIENVQRIN  
 VRDVSPFPVNP GSIVKDEALAVPAGNPLMTPQKGNTLDHSLHKDLLGAI SGIASPYTASTPNINSVRNAD  
 SRGSLISTDSGNL PDRNPEKSNSLDKQQQSGMLGNSVVRCDKLDQSEIKSLLMCFLYVLKSM SDDALFT  
 YWNKASTAELMDFFTISEVCLHQFYMGKRYIARTGMMHARLQQLGSLDNSVTFNHSYGHSEADVHVHQS  
 LEANIATEVCLTALDTLSLFTLAFKNQLLADHGHNPLMKKVFDVYLCFLQKHQSEMALKNVFTALRSLIY  
 KFPSAFYEGRADM CASLCYEV LKCCNSKLS SIRT EASQLLYFLMRNFDYTGKKS FVRTHLQVII SVS QL  
 IADVVGIGGTRFQQSLSIINNCANS DRIKHTSFSSDVKDLTKRIRTVLMATAQMKEHENDPEMLVDLQY  
 SLAKSYASTPELRKTLWDSMARIHVKN GDLSEAAMCYVHVTALVAEYLTRKGMFRQGCTAFR VITPNIDE  
 EASMMEDVGMQDVHFNEDVLMELLEQCADGLWKAERYELIADIYKLIPIIYEKRRDFERLAHLYDTLHRA  
 YSKVTEVMHSGRRLGT YFRVAFFGQAAQYQFTDSETDVEGFFEDEDGKEYIYKEPKL TPLSEISQRLLK  
 LYSDKFGSENVKMIQDSGKVNPKDLDSKFAYIQVTHVTPFFDEKELQERRTEFERCHNIRRFMFEMPFTQ  
 TGKRQGGVEEQCKRRITLTAIHCFPYVKKRIPVMYQHHTDLNPIEVAIDEMSKKVAELRQLCSSAEVDMI  
 KLQLKLQGSVSVQV NAGPLAYARAF LDDTNTKRYPDNKVKLLKEVFRQFVEACGQALAVNERLIKEDQLE  
 YQEEMKANYREMAKELSDIMREQMG

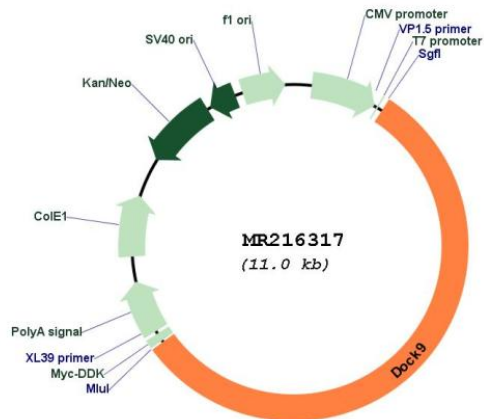
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



## Plasmid Map:



**ACCN:** NM\_001128307

**ORF Size:** 6165 bp

**OTI Disclaimer:** 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 engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001128307.1](#), [NP\\_001121779.1](#)

**RefSeq Size:** 8221 bp

**RefSeq ORF:** 6168 bp

**Locus ID:** 105445

**Cytogenetics:** 14 65.28 cM

**MW:** 235.8 kDa