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# Product datasheet for RN205444

## Dock9 (NM_001105759) Rat Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Dock9 (NM_001105759) Rat Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Dock9 |
| **Synonyms:** | Trg |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

>RN205444 representing NM_001105759
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCAGCAGCAACTCCCTGTGTCGACGGAGACTCGGAAGTTCACCCGGGCGTTGAGCAAGCCCGGCA
CGGCGGCGGAGCTGCGGCAGAGTGTGTCGGAGGTGGTGCGCGGCTCGGTGCTCCTGGCAAAGCCAAAGCT
GATTGAGCCACTTGACTACGAAAATGTCATCGTGCAGAAGAAGACCCAGATCCTGAATGACTGTCTGCGG
GAGATGCTCCTCTTCCCTTACGATGACTTCCAGACGGCCATCCTGAGGCGGCAGGGGCGCTACGTACGTT
CCACGGTCCCTGCAAATGCAGAGGAGGAAGCACAGAGCCTGTTTGTCACCGAGTGCATCAAAACCTACAA
CTCTGACTGGCACCTTGTGACCTATCACTATGAAGATTACTCAGGAGAGTTCCGACAGCTTCCAAACAAA
GTGGCCAAGTTGGATAAACTTCCAGTTCACGTCTATGAAGTCGATGAGGAGGCTGACAAAGATGAGGACG
CTGCTTCCCTTGGGTCTCAGAAGGGTGGAATCACAAAGCACGGCTGGCTGTACAAAGGCAACATGAACAG
TGCCATCAGCGTGACCATGAGGTCATTCAAGAGGCGGTTTTTCCACCTGATTCAGCTTGGCGATGGATCC
TATAATCTAAACTTTTATAAAGATGAGAAGATCTCCAAGGAGCCGAAAGGGTCCATATTCCTGGATTCCT
GCATGGGCGTGATCCAGAACAACAGAGTCAGGCGCTTCGCCTTTGAGCTCAAGATGCAGGACAAAAGCAG
TTACCTTCTGGCTGCGGACAGTGAGGCAGAGATGGAGGAGTGGGTCACAGTCCTCAACAAGATCCTCCAG
CTCAACTTTGAGGCTGCAATGCAAGAGAAGCGAAATGGGGACCCTCATGAAGATGATGAACAAAGCAAAC
TGGAAGGTTCCGGTTCCGGTTTGGACAGCTACCTGCCTGAACTTGCCAAGAGCACCAGAGAAGCAGAAAT
CAAACTGAAAAGCGAGAGCAGAGTGAAGCTCTTTTACTTGGACCCAGATACCCAGAAACTCGACTTCTCA
TCTGCTGAACCAGAAGTGAAGCCATTTGAAGAAAAGTTTGGGAAGAGGATTCTCGTCAAGTGCAATGATT
TGTCCTTCAACCTGCAGTGCTGTGTCGCAGAGAACGAGGAAGGACCCACGACAAATGTGGAGCCTTTCTT
TGTCACCCTGTCCCTGTTCGACATAAAATACAACCGGAAGATTTCTGCTGACTTCCACGTGGACCTGAAC
CACTTCTCAGTGCGGCAGATGCTGGCCCCTGCATCCCCAGTGCTGATGAACGGTGGTCAGAGTCCACCTG
CCTTCCAGGATGCCCTTCAGGCGGCCATGCAGTATCCGAAGCAGGGAATATTTTCAGTCACGTGTCCTCA
CCCAGACATATTTCTTGTGGCCAGAATTGAAAAGGTCCTCCAAGGAAGCATCACGCACTGTGCTGAGCCT

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TACATGAAAAGCTCAGACTCTTCTAAGGTCGCTCAGAAGGTGCTGAAGAATGCCAAGCAGGCATGTCAAA
GACTAGGACAGTACCGAATGCCGTTTGCTTGGGCAGCAAGGACGTTGTTTAAAGACACATCTGGAAACCT
GGATAAAAATGCCAGGTTTTCTGCCATCTACCGGCAAGACAGCAATAAGCTCTCAAATGAGGACATGCTC
AAGCTGCTCGCAGACTTCCGGAAACCTGAGAAGATGGCCAAACTCCCAGTGATTTTAGGCAATCTAGACA
TTACAATCGACAACGTTTCCTGCGACTTCCCTAATTACCTGAATTCATCATACATTCCCATGAGGCAGTT
TGAAACCTGCAGTAAGTCTCCGATCACCTTCGAAGTAGAGGAGTTTGTGCCCTGCATACCCAAGCACACC
CAGCCTTATACAGTCTACAGCAATCACCTTTATGTTTACCCCAAGTACTTGAGATACGACAGCCAGAAGT
CTTTTGCCAAGGCCAGAAACATTGCAATCTGCATTGAGTTCAAGGATTCCGATGAAGAAGACTCGCAACC
CTTGAAGTGCATTTACGGCAGACCTGGTGGCCCAGTGTTCACAAGGAGTGCCCTCGCTGCAGTCCTACAC
CATCAACAAAGCCCAGAATTCTACGATGAGATCAAGATAGAGCTGCCCGCCCAGCTGCACGAGAAGCACC
ATTTACTGTTCACCTTCTTCCACGTCAGCTGCGACAACTCGACCAAAGGGAGCACGAAGAAGAAGGACGC
TGTGGAGACACAGGTTGGCTTCTCCTGGCTTCCTCTCCTGAAAGACGGCAGAGTGTTGACGAATGAACAG
CATATCCCTGTCTCCGCCAACCTGCCGTCTGGCTACCTTGGCTACCAGGAGCTCAGCATGGGCAGGCATT
ATGGTCCAGAAGTTAAGTGGGTGGAAGGAGGCAAGCCATTGTTGAAAATCTCCACTCATCTGGTTTCCAC
CGTGTACACTCAGGATCAGCACTTACACAATTTTTTCCAATACTGTCAGAAAACGGAATCTGGAGCCCAA
GCCTCAGGGAGTGAACTAGTGAAATACCTTAAGAGTCTGCATGCAATGGAAGGTCACGTGATGATCGCCT
TCCTGCCGACCATTTTAAACCAGCTATTCCGAGTCCTCACCAGAGCCACCCAGGAGGAGGTTGCAGTTAA
TGTGACTCGGGTCATTATTCATGTGGTTGCCCAGTGCCATGAGGAAGGATTGGAGAGCCACTTGAGGTCA
TATGTTAAGTTTGCCTACAAGGCTGAGCCGTATATAGCATCCGAGTATAAGACAGTGCACGAGGAACTGA
CGAAATCCATGACCACCATTCTCAAGCCTTCTGCTGATTTCCTTACCAGCAACAAACTTCTGAAGTACTC
TTGGTTTTTCTTTGATGTGCTGATAAAGTCCATGGCTCAGCATTTGATTGAAAATAACAAAGTGAAGTTA
CTTCGAAACCAGAGATTTCCGGCCTCCTACCATCACGCCGTGGAAACCGTGGTGAACATGCTGATGCCGC
ACATCACACAGAAGTTTCGAGATAACCCAGAAGCATCTAAGAATGCCAATCACAGCCTGGCCGTGTTCAT
CAAGAGATGCTTCACCTTCATGGACAGAGGCTTCGTCTTCAAACAGATCAACAACTACATCAGTTGCTTT
GCTCCTGGAGACCCCAAGACTCTCTTTGAGTACAAGTTTGAGTTTCTCCGTGTGGTGTGCAACCATGAAC
ACTATATTCCTTTGAACTTGCCGATGCCATTTGGGAAAGGAAGAATTCAGAGATACCAAGATCTCCAGCT
TGACTACTCTTTAACGGACGAATTCTGCAGAAACCACTTCTTGGTGGGACTGTTACTAAGGGAGGTGGGT
ACTGCACTCCAGGAGTTCCGGGAGGTCCGTGTCATCGCTGTCAGTGTGCTCAAGAACCTTCTGATCAAGC
ATTCTTTTGATGACAGATACACTTCAAGGAGTCACCAGGCAAGGATAGCCACCCTCTACCTGCCTCTGTT
TGGTCTGCTTATTGAAAACGTCCAGCGGATCAACGTGAGGGATGTGTCGCCCTTCCCTGTGAACCCGGGC
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CACTTGACCACAGCCTGCACAAAGACCTCTTGGGTGCCATCTCCGGCATTGCTTCTCCGTATACAGCTTC
AACCCCCAACATCAACAGTGTGAGAAATGCCGACTCAAGGGGCTCTCTCATCAGCACGGACTCGGGGAAC
AGCCTTCCAGACAGGAACCCCGAGAAGAGCAACTCCCTGGACAAGCAGCAGAGCGGCATGCTGGGAAATT
CTGTGGTCCGCTGTGACAAACTGGACCAGTCTGAGATCAAGAGCCTGCTGATGTGCTTCCTCTACGTGTT
GAAGAGCATGTCTGACGATGCCCTGTTTACGTACTGGAACAAGGCTTCCACTGCTGAACTGATGGATTTC
TTTACCATATCTGAAGTGTGCCTGCACCAGTTCCAGTACATGGGGAAGCGCTACATAGCCAGTGTGAGAA
AGATATCAAGTGTGCTTGGGATTTCTGTAGACAATGGCTACGGCCACTCGGAGGCAGATGTCGCTCACCA
GTCGCTTCTCGAAGCAAACATCGCCACTGAGGTCTGCCTCACAGCTCTGGACACCCTCTCGCTGTTCACA
CTGGCTTTTAAGAACCAGCTCCTAGCTGACCATGGACATAATCCACTCATGAAGAAAGTTTTTGATGTCT
ACCTGTGTTTCCTCCAAAAGCATCAGTCAGAAATGGCTTTAAAAAATGTCTTCACTGCCTTAAGGTCATT
AATTTATAAGTTCCCCTCAACGTTCTACGAGGGGCGGGCAGACATGTGCGCATCTCTGTGCTATGAGGTT
CTCAAGTGCTGTAACTCCAAGCTCAGCTCCATCCGCACCGAGGCCTCCCAGCTGCTCTACTTCCTGATGA
GGAACAACTTCGACTACACAGGGAAGAAGTCTTTTGTCCGGACACACTTACAGGTCATCATCTCTGTCAG
CCAGCTGATCGCAGACGTGGTTGGCATTGGAGGAACCAGATTCCAGCAGTCCTTGTCTATCATCAACAAC
TGTGCCAATAGCGACCGGCTCATTAAGCACACCAGCTTCTCCTCTGATGTGAAGGATTTGACCAAGAGGA
TCCGCACAGTCCTGATGGCCACAGCCCAGATGAAGGAACATGAGAACGACCCAGAGATGCTGGTGGACCT
GCAGTACAGCCTGGCCAAGTCCTACGCCAGCACCCCTGAGCTCAGGAAGACATGGCTGGACAGCATGGCA
AGGATCCATGTTAAAAATGGGGATCTCTCAGAGGCAGCAATGTGCTATGTCCACGTGACAGCTTTGGTAG
CGGAATATCTCACACGGAAAGGCATGTTCAGACAGGGGTGCACAGCCTTCAGGGTCATCACACCAAACAT
TGATGAAGAGGCTTCCATGATGGAAGATGTCGGCATGCAGGATGTCCATTTCAATGAGGATGTGCTGATG
GAGCTGCTGGAGCAGTGCGCAGATGGACTTTGGAAGGCAGAGCGCTACGAGCTGATTGCTGACATCTATA

AACTCATCATCCCCATCTATGAAAAGCGGAGGGACTTTGAGAGACTAGCCCACCTGTATGACACGCTGCA
CCGCGCATACAGCAAAGTGACAGAGGTCATGCACTCGGGCCGCAGGCTCCTGGGGACCTACTTCCGGGTG
GCCTTCTTCGGACAGGGATTCTTCGAAGATGAAGACGGGAAGGAATACATCTACAAAGAGCCCAAACTCA
CGCCTCTGTCAGAGATTTCTCAGAGACTCCTTAAACTTTACTCGGATAAATTCGGTTCTGAAAATGTCAA
AATGATACAGGATTCTGGCAAGGTCAACCCGAAGGATCTGGATTCCAAGTTTGCTTACATCCAGGTGACC
CATGTGACCCCGTTCTTTGATGAAAAGGAGTTACAGGAGAGGAAAACAGAGTTTGAACGATGTCACAACA
TCCGGCGCTTCATGTTCGAGATGCCCTTCACCCAGACTGGGAAGAGGCAGGGTGGCGTGGAGGAGCAGTG
TAAGCGACGGACCATCCTGACAGCAATACACTGCTTCCCCTATGTAAAGAAGCGGATCCCTGTCATGTAC
CAGCACCACACTGACCTGAACCCCATTGAGGTGGCCATCGATGAAATGAGCAAGAAAGTGGCCGAGCTCC
GCCAGCTGTGTTCCTCAGCTGAAGTGGACATGATCAAACTGCAGCTCAAACTGCAGGGCAGTGTGAGCGT
CCAGGTCAATGCTGGCCCGCTAGCATACGCCCGAGCCTTCCTCGATGACACCAACACAAAGAGATACCCT
GACAATAAGGTGAAGCTGCTGAAGGAAGTTTTCAGGCAATTCGTGGAAGCTTGTGGCCAAGCCTTGGCAG
TGAACGAACGTCTGATTAAAGAGGACCAGCTGGAGTACCAGGAAGAGATGAAAGCCAACTACAGGGAGAT
GGCCAAGGAGCTCTCCGACATCATGCGTGAGCAAATTTGCCCCCTGGAGGAGAAGACAAGCGTGCTACCA
AATTCCCTGCACATCTTCAACGCCATCAGTGGGACACCAACAAGCACAGTGGTTCAAGGGTTGACCAGTT
CATCCTCAGTTGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001105759

**Insert Size:** 6177 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

**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_001105759.2, NP_001099229.2

| | |
|---|---|
| **RefSeq Size:** | 9363 bp |
| **RefSeq ORF:** | 6177 bp |
| **Locus ID:** | 259237 |
| **Cytogenetics:** | 15q25 |
| **Gene Summary:** | novel thyroid transcript negatively regulated by thyroid stimulating hormone [RGD, Feb 2006] |