

Product datasheet for **MC200193**

Dok4 (NM_053246) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok4 (NM_053246) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dok4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC004705 sequence for NM_053246
 CTGGCGGCTGCGTTCCTACTCTAGCTTACAACCAGAGCCGCGCGCCGCCACCCTACCTTCCCCTCCCGGCC
 GCGCCGAGACGCGGGCATGAGCCCGCCCGCGTCCCGCGGAGCCAGCGCCCCGGCCCGGGCTCGGGCC
 TAGGAGCTGGGCGAAGGATCTGCTAGAACAATGCTGAGGCGGGGAGGTGAGGAGTGTCTTAAACAGGTG
 ATCGGGGACACCAAGCCACCTGGGCACCCCTCCCGACTCAGCCCGCCGCCACCCAAAGACAGCGGG
 GCAACCATGGCGACCAATTTCAACGACATCGTCAAGCAAGGCTATGTGAAGATGAAGAGCAGGAAGCTCG
 GGATTTACCGGAGGTGCTGGCTGGTGTTCGGAAATCTTCCAGCAAGGGGCCAGCGGCTGGAGAAGTA
 TCCTGATGAGAAGTCCGTGTGCCTCCGAGGCTGCCCAAGGTGACTGAGATTAGCAACGTCAAGTGTGTC
 ACACGGCTCCCCAAGGAGACCAAGAGGCGAGCGGTGGCCATCATATTCACAGACGACTCCGCTCGCACCT
 TCACTTGTGACTCAGAGCTGGAGGCAGAAGAGTGGTACAAGACTGTCCGTGGAATGTCTGGGATCACG
 GCTCAATGACATCAGCCTGGGAGAGCCTGACCTCCTGGCTCCAGGAGTACAGTGTGAGCAGACAGATCGC
 TTCAACGTCTTCTGTTACCTGCCCAACCTGGACGTGTATGGGGAGTGAAGCTGCAGATCACTCACG
 AGAACATCTACCTCTGGACATACACAACCCCGCGTGAAGCTCGTCTCGTGGCCCTCTGCTCTTTGGC
 CCGTTATGGCCGAGATGCTACGCGCTTTACCTTTGAGGCGGGCAGGATGTGTGACGCTGGGAAGGGCTC
 TATACCTTTCAGACACAGGAGGGGAGCAGATTTACCAGCGGTTTACAGTGCCACCCTGGCCATCGCCG
 AGCAGCACAAAGCGGGTCCCTGCTGGAGATGGAGAAGAATGTGAGGCTGCTGAACAAGGGCACCGAGCTA
 CTCTATCCCTGCACACCACGGCCATGCTGCCCGCAGCGCTACTGGACCATATCACAGTTCTCAG
 AACATTGCTGAAGCCTCCAGCTATGGGAAAGTTATGGGGCAGCCAGGCCAGCTCGAAACAGACCTCC
 TGAACAGGTTTCTTGTCTTAAGCCAAAGCCAGTCAGGAGGATAGCAGTGAAGCCAAAGACCCCTGCCCA
 GTGACAGCCAGACTGGAGAGAACTCATGATTTGCTGGGCCACCTGTTGAAAGGCTCACTGTGCGAGCCCA
 TGGACAGCCTCGAGGAGCTGGTGGCCAAGAGCCAGAGGAGAGCAAGCTATCCCTCCTTGCCTCAAGGT
 GAGGCTGGACCTCAGCACATGGCTGGCCACACCCTGAGCATGAGGGGCTAAGAGCCACCGTGGGACTA
 TACTGTTAATGGTTTTAATATATATGGCTTATAACATATACTGTATAAACGAGGCTTCCCTCTATCCC
 TCCCCACCAACACATACCCATTTTTAATCCACGACCAGGCATGGTCAAGGCTGTTTTGAGTATGAGGG
 TGGCAGTGCCTGTCTCAGTGATACAACCTCCTGCTGCCAAGATGGCCTGAGCTGCCAGGGTACAGGGA
 GGGGACAATCAGACTGGTGTCTGTCTGCTGGCTTCTCAGAACCCAAAGGGCCAGGACAGCAGGTAGC
 TCTGTCTCTGGGCTACAGTGACACAGGAAGAGTCTAACTTCACTGTACCGTGTGGCAGCCTTGAC
 TTGGGAGTGTAGCAGAGGCGGCATCTGGTTTTTAAATGCATTTTCTGCACTGGCCCTTCTGCTCAG
 TAGGCTGAAGATGTCTTTGGCAGGGCTCCCGTTACCTCGGCAGCAGAGGACAGTTGGGGCCAGCCCGGA
 GGGAGGACTGCAGCAGGACTGCTGTGGGAGCACCTTGTGCTCTCTTCACTGACCAGGGGTATAAAGC
 TCCAGCAGGGGAGTCCCTTGCCAGGCCAGCCACCCAGGCCAGATTCCAAAATAAGACTTTCCTATC
 TCCCCACACGGTCTGAGGCTCCCTGCTGAAATGCAATTAAGCAATTGATTTTCTAGTGTGTTATTTA
 TTGACTACCGTGCAGAAGGGCTATCTTTCTATTACATCAAACCTTTTGTGCGTGTCTGTTTTTTAA
 TACTTTAGGGTCTGATTTGTGGGAACAGACCTTGTAAATAACCACTGTTACATGTGTGGCAGAATGAT
 AAGGGGCCCTCCAGGGGGTGCCTAGAGCCAGGGAGGTGGCACAGCCAGCCAACTCTGTGACCCAGG
 AAATGACCACCCAGAGGTGAGTGTGTACAAGAAATGGGCCAACCCCTTTGGGAGGGAGGCAAACT
 GGCTCAGTTAGTGGCAGATGACGCATGAAGGAGATTATGTTGTGCTCTTTATTGCCAAAAATAAACT
 TTTAAAAAGACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_053246

Insert Size: 978 bp

OTI Disclaimer: 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).

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: [BC004705](#), [AAH04705](#)

RefSeq Size: 2548 bp

RefSeq ORF: 978 bp

Locus ID: 114255

UniProt ID: [Q99KE3](#)

Cytogenetics: 8 C5

Gene Summary: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK4 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway (By similarity). Putative link with downstream effectors of RET in neuronal differentiation. May be involved in the regulation of the immune response induced by T-cells (By similarity). [UniProtKB/Swiss-Prot Function]