

Product datasheet for **MC215816**

Dok3 (NM_013739) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok3 (NM_013739) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dok3
Synonyms:	AI450713; Dokl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215816 representing NM_013739
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCTGTGGAGCCCCGGTCAAAGACGGCATCTCTACCAGCAGCACGTAAGTTGGCAAGAAAT
 GCTGGCGCAAAGTGTGGGCTCTGCTGTATGCGGGAGGCCATCAGGGGTAGCTCGGCTAGAAAGCTGGGA
 CGTGCGTGATGGTGGCCTGGGACCAGCAGGCGACAGGTCCACAGGGCCAGCCGTCGAGGGGAACGCCGG
 GTCATACGCTTGGCTGACTGTGTATCTGTCTGCTGCGGATGGCGAGAGCTGTCCAGGGACACTGGTG
 CCTTCTGATTACCACACTGAGCGAAGCCACCTGTTGGCTGCACAGCACCCGAGTCTGGGTGGACCC
 CATCTGTCAGCTGGCCTCCCGGTACCGGAGAATGTTCTGTCAGGATCAGGACAGGCTGAGAGTCCAAAA
 AGGGGCTTTGTTCCCATGGAGGAAAACCTATCTACTCCTCTGGCAGGAAGTACCGAGTTTCCGGTGA
 TCGTGCAGAGGACAGAGGCCACCTCCCGCTGCCAGCTGAAAGGACCTACCTCCTGGTGTGGGCCAAGA
 TGACATCCAAGTGGAGAGACATCCAAGCCCCAGGCCTGTTTTAGCTGGCCCTACCGTTTCTGCGCAAG
 TACGGCTCTGACAAGGGTGTGTTCTCGTTTGGAGCTGGCCGCGCTGTGACTCAGGTGAGGGCCTTTTTG
 CCTTCAGTAGCCCGCTGCCCCAGACATATGTGGGGTTGTGGCTGCCGCCATTGCCCGCCAGCGGGAGCG
 TCTTCCAGAGCTGGCCATGTCCCCACCCTGCCCTGCCTCGGGCCCTCTCCCTGCCCTCCCTAGAGCCC
 CCTGGAGAGCTTCGGGAGGTGGCCCCAGGATTTGAGCTGCCCACTCCAGAAAGCTGCCTCTAACTGATC
 CCGGGCTCAAAGCCTACCACTGCTGCTCAGCCCCACACAAGAAGGACCGGCATCCGGTCTCTATGCGTC
 CGTGTGAAGCAGACCAGCAAGCACACAGGCACGGCGGAGCATCTCTATGAGAACGTGTGCATGTGGAG
 GCCAGCCCTGGGCTGACCAATGGGGTCTGAAGCCCAAGAGGGCCCCCTGGTGGCCGAGCCCCCTGG
 GCAGCCCTATCTACCATAACACTGAGGATCTGAGTTGGCCGGGCTCGGCCAGGACAGCAATCTGGAAGC
 CCAGTACCGGAGGCTGCTGGAACCTGGAGCTGGATGAGGCCGGAAGCGCCGCGCTCTGGAGCGCAGGCA
 GGCATCAAGGCCAAGCTGGTGACCCTGCTGACCCGTGAACGGAAGAAGGGCCCCGCCCTGTGACCGGC
 CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013739
- Insert Size:** 1335 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: [NM_013739.2](#), [NP_038767.1](#)

RefSeq Size: 1546 bp

RefSeq ORF: 1335 bp

Locus ID: 27261

UniProt ID: [Q9QZK7](#)

Cytogenetics: 13 B1

Gene Summary: DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate ABL1 function.[UniProtKB/Swiss-Prot Function]