OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR226550

Dok3 (NM_013739) Mouse Tagged ORF Clone

Product data:

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

View online »

ORF Nucleotide Sequence:

>MR226550 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCTGTGGAGCCCCCGGTCAAAGACGGCATCCTCTACCAGCAGCACGTAAAGTTTGGCAAGAAAT
GCTGGCGCAAAGTGTGGGCTCTGCTGTATGCGGGAGGCCCATCAGGGGTAGCTCGGCTAGAAAGCTGGGA
CGTGCGTGATGGTGGCCTGGGACCAGCAGGCGACAGGTCCACAGGGCCCAGCCGTCGAGGGGAACGCCGG
GTCATACGCTTGGCTGACTGTGTATCTGTCCTGCCTGCGGATGGCGAGAGCTGTCCCAGGGACACTGGTG
CCTTCCTGATTACCACCACTGAGCGAAGCCACCTGTTGGCTGCACAGCACCGCCAGTCCTGGGTGGACCC
CATCTGTCAGCTGGCCTTCCCGGGTACCGGAGAATGTTCGTCAGGATCAGGACAGGCTGAGAGTCCAAAA
AGGGGCTTTGTTCCCATGGAGGAAAACTCTATCTACTCCTCCTGGCAGGAAGTGACCGAGTTTCCGGTGA
TCGTGCAGAGGACAGAGGCCACCTCCCGCTGCCAGCTGAAAGGACCCTACCTCCTGGTGCTGGGCCAAGA
TGACATCCAACTGAGGGAGACATCCAAGCCCCAGGCCTGTTTTAGCTGGCCCTACCGTTTCCTGCGCAAG
TACGGCTCTGACAAGGGTGTGTTCTCGTTTGAGGCTGGCCGCCGCTGTGACTCAGGTGAGGGCCTTTTTG
CCTTCAGTAGCCCGCGTGCCCCAGACATATGTGGGGTTGTGGCTGCCGCCATTGCCCGCCAGCGGGAGCG
TCTTCCAGAGCTGGCCATGTCCCCACCCTGCCCCCTGCCTCGGGCCCTCTCCCTGCCCTCCCTAGAGCCC
CCTGGAGAGCTTCGGGAGGTGGCCCCAGGATTTGAGCTGCCCACTCCCAGAAAGCTGCCTCTAACTGATC
CCGGGCCTCAAAGCCTACCACTGCTGCTCAGCCCCACACAAGAAGGACCGGCATCCGGTCTCTATGCGTC
CGTGTGCAAGCAGACCAGCAAGCACACAGGCACGGCGGAGCATCTCTATGAGAACGTGTGCATGCTGGAG
GCCAGCCCTGGGCTGACCAATGGGGGTCCTGAAGCCCAAGAGGGCCCCCCTGGTGGCCGCAGCCCCCTGG
GCAGCCCTATCTACCATAACACTGAGGATCTGAGTTGGCCGGGCTCGGCCCAGGACAGCAATCTGGAAGC
CCAGTACCGGAGGCTGCTGGAACTGGAGCTGGATGAGGCCGGAAGCGCCGGCCGCTCTGGAGCGCAGGCA
GGCATCAAGGCCAAGCTGGTGACCCTGCTGACCCGTGAACGGAAGAAGGGCCCCGCCCCCTGTGACCGGC
CC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

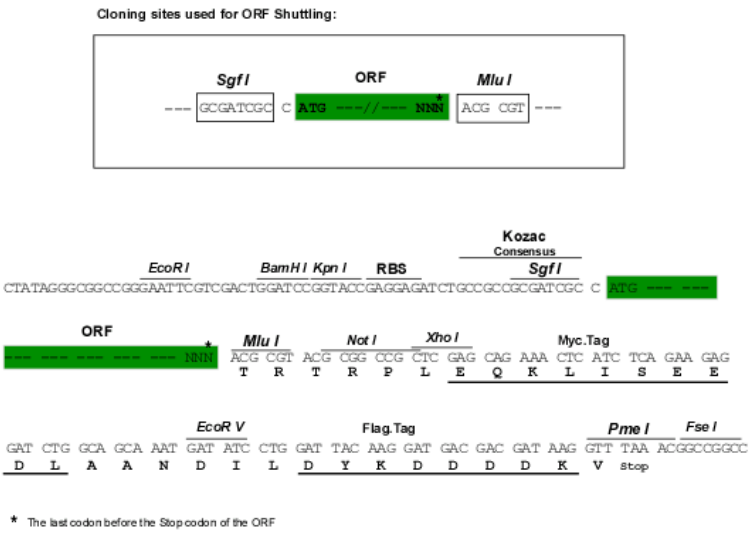
>MR226550 protein sequence
Red=Cloning site Green=Tags(s)

MESVEPPVKDGILYQQHVKFGKKCWRKVWALLYAGGPSGVARLESWDVRDGGLGPAGDRSTGPSRRGERR
VIRLADCVSVLPADGESCPRDTGAFLITTTERSHLLAAQHRQSWVDPICQLAFPGTGECSSGSGQAESPK
RGFVPMEENSIYSSWQEVTEFPVIVQRTEATSRCQLKGPYLLVLGQDDIQLRETSKPQACFSWPYRFLRK
YGSDKGVFSFEAGRRCDSGEGLFAFSSPRAPDICGVVAAAIARQRERLPELAMSPPCPLPRALSLPSLEP
PGELREVAPGFELPTPRKLPLTDPGPQSLPLLLSPTQEGPASGLYASVCKQTSKHTGTAEHLYENVCMLE
ASPGLTNGGPEAQEGPPGGRSPLGSPIYHNTEDLSWPGSAQDSNLEAQYRRLLELELDEAGSAGRSGAQA
GIKAKLVTLLTRERKKGPAPCDRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013739

ORF Size: 1335 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_013739.2, NP_038767.1

RefSeq Size: 1546 bp

RefSeq ORF: 1335 bp

Locus ID: 27261

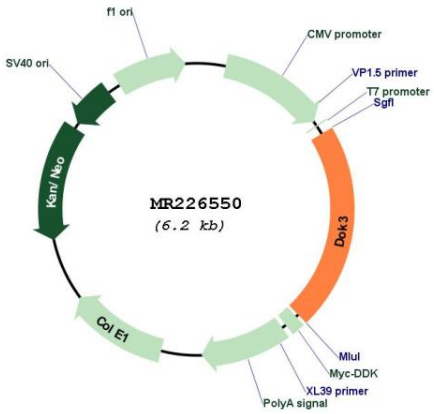
UniProt ID: Q9QZK7

Cytogenetics: 13 B1

MW: 48 kDa

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]

Product images:



Circular map for MR226550