

Product datasheet for **MG226550**

Dok3 (NM_013739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok3 (NM_013739) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dok3
Synonyms:	A1450713; Dok1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226550 representing NM_013739
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCTGTGGAGCCCCGGTCAAAGACGGCATCTCTACCAGCAGCACGTAAGTTTGGCAAGAAAT
 GCTGGCGCAAAGTGTGGGCTCTGCTGTATGCGGGAGGCCCATCAGGGGTAGCTCGGCTAGAAAGCTGGGA
 CGTGCGTGATGGTGGCCTGGGACCAGCAGGCGACAGGTCCACAGGGCCAGCCGTCGAGGGGAACGCCGG
 GTCATACGCTTGGCTGACTGTGTATCTGTCTGCTGCGGATGGCGAGAGCTGTCCAGGGACACTGGTG
 CCTTCTGATTACCACACTGAGCGAAGCCACCTGTTGGCTGCACAGCACCCGACGCTCTGGGTGGACCC
 CATCTGTCAGCTGGCCTCCCGGTACCGGAGAATGTTTCGTGAGGATCAGGACAGGCTGAGAGTCCAAAA
 AGGGGCTTTGTTCCCATGGAGGAAAACCTATCTACTCCTCTGGCAGGAAGTACCGAGTTTCCGGTGA
 TCGTGCAGAGGACAGAGGCCACCTCCCGCTGCCAGCTGAAAGGACCTACCTCCTGGTGTGGGCCAAGA
 TGACATCCAAGTGGAGGAGACATCAAGCCCCAGGCTGTTTTAGCTGGCCCTACCGTTTCTGCGCAAG
 TACGGCTCTGACAAGGGTGTGTTCTCGTTTGGGCTGGCCGCGCTGTGACTCAGGTGAGGGCCTTTTTG
 CCTTCAGTAGCCCGCTGCCCCAGACATATGTGGGTTGTGGCTGCCGCCATTGCCGCCAGCGGGAGCG
 TCTTCCAGAGCTGGCCATGTCCCACCCTGCCCTGCCTCGGGCCCTCTCCCTGCCCTCCCTAGAGCCC
 CCTGGAGAGCTTCGGGAGGTGGCCCCAGGATTTGAGCTGCCCACTCCAGAAAGTGCCTCTAACTGATC
 CCGGGCTCAAAGCCTACCACTGCTGCTCAGCCCCACACAAGAAGGACCGGCATCCGGTCTCTATGCGTC
 CGTGTGAAGCAGACCAGCAAGCACACAGGCACGGCGGAGCATCTCTATGAGAACGTGTGCATGTGGAG
 GCCAGCCCTGGGCTGACCAATGGGGTCTGAAGCCAAAGAGGGCCCCCTGGTGGCCGAGCCCCCTGG
 GCAGCCCTATCTACCATAACACTGAGGATCTGAGTTGGCCGGGCTCGGCCAGGACAGCAATCTGGAAGC
 CCAGTACCGGAGGCTGCTGGAACCTGGAGCTGGATGAGGCCGGAAGCGCCGCGCTCTGGAGCGCAGGCA
 GGATCAAGGCCAAGCTGGTGACCTGCTGACCCGTGAACGGAAGAAGGGCCCCGCCCTGTGACCGGC
 CC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226550 representing NM_013739
 Red=Cloning site Green=Tags(s)

MESVEPPVKDGILYQQHVKFGKKCWRKVWALLYAGGPGVARLESWDVRDGLGPAGDRSTGPSRRGERR
 VIRLADCVSVLPADGESCPDRTGAFLITTTERSHLLAAQHRQSWVDPICQLAFPGTGECSSGSGQAESP
 RGFVPMENSIYSSWQEVTEFPVIVQRTEATSRCLKGPYLLVLGQDDIQLRETSKPQACFSWPYRFLRK
 YGSDKGVFSFEAGRRCDSEGLFAFSSPRAPDICGVVAAAIAQRERLELAMSPPCPLPRALSLPSLEP
 PGELREVAPGFELPTPRKLPDTPGPQSLPLLLSPTQEGPASGLYASVCKQTSKHTGTAEHLYENVCML
 ASPGLTNGGPEAQEGPPGGRSPLGSPPIYHNTEDLSPGSAQDSNLEAQYRRLLLELELDEAGSAGRSGAQA
 GIKAKLVTLTRERKKGPAICDRP

TRTRPLE – GFP Tag – V

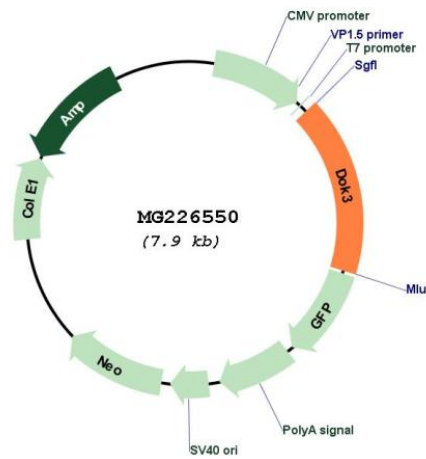
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013739

ORF Size: 1332 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:	<ol style="list-style-type: none">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:	<u>NM_013739.2</u> , <u>NP_038767.1</u>
RefSeq Size:	1546 bp
RefSeq ORF:	1335 bp
Locus ID:	27261
UniProt ID:	<u>Q9QZK7</u>
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]