

Product datasheet for **RN201948**

Dok3 (NM_001107336) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok3 (NM_001107336) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dok3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201948 representing NM_001107336 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCTGTGGAGACACCTGTCAAGGACGGCCTCTCTACCAGCAGCACATGAAGTTGGCAAGAAAT
GCTGGCGCAAAGTGTGGCTCTGCTGTATGCAGGAGGCCCGTCGGGAGTAGCTCGGTAGAAAGCTGGGA
CGTTTCGTGATGGTGGCTGGGCCAGGAGGTGACAGGCCCGCAGGGCCTGGCCGTAGAGGGGAAACGCCGG
ATCATACGCTTGGCTGACTGTGTATCTGTTCTGCCGCGGATGGTGAGAGTTGCCCCAGGGACACTGGGG
CCTTCCTGATCACCACACTGAGCGAAGCCACCTGCTGGCTGCACAGCACCGCCAGTCATGGATGGACCC
CATCTGCCAGCTGGCCTCCCGAGTACCGGAGAATGTTCTCAGGATCAGGACAGGCTGAGAGTCCAAAA
AGGGGCTTTGTCCCATGGAGGAAAACCTCATCTACTCCTCCTGGCAGGAAGTTGCTGAGTTCCGGTGG
TGGTGCAGAGGACAGAGGCCACCACCGCTGCCAGCTGAAGGGACCCTACCTCCTGGTGTGGGCCAAGA
TGACATTCAGCTGCGGGAGACTCCAAGCCCCAGGCCTGCTATAGCTGGCCCTACCGATTCTGCGCAAG
TTTGGCTCTGACAAGGGTGTGTTCTCTTTGAGGCTGGCCCGCTGCGACTCAGGAGAGGGCCTTTTTG
CCTTCAGTAGTCCGCGTGCACCAGACATATGTGGAGCTGTGGCCGAGCCATTGCCCGTCAGCGGGAGCG
TCTTCCAGAGTTGGCCATGTCCCAACCCTGCCCCCTCCCTCGGGCCCTCCTCCTGCCTCCCTAGAGCCC
CCTGGAGAGCTTCGGGAGGTGGCCCCAGAATATGAGCTGGCCCTTCCAGAAAGCTGCCTCTAAGTATC
CTGGACCTCAAAGCCTACCCCTGCTGCTCAGCCCCACACAAGACGGGACAGCCTCCAGTCTCTATGCGTC
TGTGTGAAGCAGACAGCAAGCACAAGCCACCGTGGAGCATCTCTACGAGAAGCTGTTTCATGCTGGAG
GCCAGCCCTGGGCTGTCCAACGGGGTCTGAGGCCAAGAGGGCCCTCCTGGTGGCCGACAGCCCTGG
GCAGCCCCATCTACCATAACAGCGAGGAGCTGAGTTGGCTGGCTCGGCCACGACAGCAATCTGGAAGC
CCAGTACCGGAGGCTGCTGGAGCTGGAGCTCGATGATGCTGGAGGCGCCGGGCTCCTGGAGCACAGACA
GGCATCAAGGCCAAGCTGTAACCCTGCTGACTCGTGAACGGAAGAAGGGCCCGCCCTGCGACCGGC
CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107336
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:	<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:	NM_001107336.1 , NP_001100806.1
RefSeq Size:	1527 bp
RefSeq ORF:	1335 bp
Locus ID:	306760
UniProt ID:	B2RYG7
Cytogenetics:	17p14
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 (By similarity).[UniProtKB/Swiss-Prot Function]