

Product datasheet for **MC205654**

Dok2 (NM_010071) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dok2 (NM_010071) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dok2
Synonyms: dok-R; DokR; Frip
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004590
GAGAGAAGAGAGAGGGCAGAGGCAATGGCAGTGGGGAGCTGAAGCTGCGATGGTCAGGATGGAGGAGCCA
GCTGTGAAGCAGGGCTTCTGCATCTTCAGCAGCAGCAGACCTTTGGCAAGAAGTGGCGCGTTTTCGCAG
CCGTGTTATATGGAGAGTCTGGCTGTGCCCTAGCCAGACTAGAGCTCCAGGATGTCCCCGAGAAGACACG
GCGAGGAGAGGCCACTCGAAGGTTGTCCGCCTCAGTACTGCTTACGGGTAGCAGAGGTAGGCAGTGA
GCCAGCAGCCCCGGGACACCAGTGCCTTCATCCTGGAGACCAAGGAGCGCCTGTACCTACTGGCAGCCC
CCTCGGCAGAGCGCAGTACTGGATACAGGCCATCTGCCTGTTGGCTTTCCCGGGACAGAGGAAAGGGTC
GCCAGGACTGGAGGAAAAGAGCGGCAGTCCCTGCATGGAGGAGAACGAGTTGTATAGCAGCTCCACCACA
GGGCTCTGCAAGGAATATATGGTGACCATACGACCCACAGAAGCCAGTGAAGCGCTCCCGGCTCCGAGGGT
CCTATACTCTCCGACCGGGGTGAGTGCCTGGAGCTGTGGGGTGGCCCTGAGCCAGGCACACAGCTATA
TGACTGGCCCTACAGTTTCTTCGACGCTTTGGGCGTGACAAGGCAACTTTTTCTTTGAGGCTGGCAGA
CGCTGTCTCTCTGGAGAGGGCAACTTTGAGTTCGAAACACGACACGGCAATGAGATCTTCCAAGCCTTAG
AAAAGGTCATTACTGTCCAGAAGATGCCACCCCTTCCGGGCTCCATCCCTGCCAGCCACAGGGCCCAT
GATGCCCACTGTGCTGCCTCGACCTGAAAGCCCTATTCCCGGCCACGACTCTCTGCCTTCTCCATCC
CCTGGCACACTGGTGCCTGGCATGAGGCCAGGGGCCCCCTGAGGGGAGTATGCCGTACCCTTTGATACGG
TGGCTCACTCCCTGAGGAAGAGCTTCAGGGGCTCCTGACGGGCCCCCTCCACACTTCCCGACCCACT
GTATGACAGCATTGAGGAGATCCTGGGGCCCCCTACCTGACCACATATATGATGAACCTGAGGGTGTG
GCTGCCCTGTCCCTCTATGACAGGACACAGAGGCCCTCAGGGGAGACATGGAGGGAGCAGGCCACTGCC
ATGGGGGTCCCAGCTCCCTCCAGCAAGACTCCTGTGCCTGACTGGCCACAGGCAACTGAGTATGACAA
TGTCACTTAAAAAAGGCCATAGTAGGGGATGGCCAGAAGATGGGATATGTGGTTCCAGGGAGGTCT
TCGGAAGCTGTGGAGGGGAAATGGTGGCTTCTGGTAGAGTCTTTTGGTTACTGCCCTTCTGGGCCCC
AGGCTCGGTGTGCCTATTTGTGTACTGTGTGAGTCACTAGCCTGGAGCAGGAAGAGGGCCCTGGAGGGA
CCCACCTCCTCTACACTTTTCCACTTCTCCACTGCCTTGGGTCTAAAGGGAAGTGGGGCCATTCT
CTTAAGAGACAAAGGTTTCCACAGATGCTCCTGGCTCCTCGGTGTGGCAGGCCTCCTGCCTATAGATGT
TTTGTCTGGGACAACCCTGGCTTCTGGTTAGCAGTGAAGTAGCTGTTGTCCCTCTAGCTCCAGAGT
TTTCTATACATTAACCAATTTGAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	EcoRI-NotI
ACCN:	NM_010071
Insert Size:	1236 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:	BC004590 , AAH04590
RefSeq Size:	1735 bp
RefSeq ORF:	1236 bp
Locus ID:	13449
UniProt ID:	O70469
Cytogenetics:	14 36.71 cM
Gene Summary:	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation.[UniProtKB/Swiss-Prot Function]