**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 MC205688

## Dok1 (NM_010070) Mouse Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Dok1 (NM_010070) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Dok1 |
| **Synonyms:** | AW557123; p62DOK |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | PCMV6-Kan/Neo (PCMV6KN) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Fully Sequenced ORF:** | >BC013066 |

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CGGGGCCAGGAAGCGCGGAAGGAATCGCCTGGGCCATGAACGGGGCTGTGATGGAGGGTCCGCTTTTTCT
GCAGAGTCAGCGCTTCGGGACCAAGAGGTGGAGGAAAACTTGGGCTGTGCTTTACCCAGCCAGTCCTCAC
GGCGTGGCGCGGCTGGAATTCTTTGATCACAAGGGGTCGAGCTCTAGAGGGGGTCGAGGCGGCTCTCGCC
GTCTAGACTGCAAGATGATACGCCTGGCTGAATGTGTGAGCGTGGTGCCGGTGACTGTGGAGAGTCCCCC
TGAGCCCGGCGCTGCTGCCTTCCGCCTGGACACCGCACAGCGCTCGCACCTGCTGGCGGCGGACGCCGTA
TCCAGCACCGCCTGGGTGCAGACTTTATGCAGAACCGCCTTTCCGAAAGGCGGCTGGGCTTTGGCGCAGA
CGGAGAACCAACCTAAGTTTTCTGCCTTGGAGATGCTGGAGAATTCGCTGTACAGCCCCACCTGGGAAGG
ATCCCAGTTCTGGGTAACCTCGCAGAAGACCGAGGCTTCTGAACGCTGCGGCTTGCAAGGCTCCTACATA
CTGAGGGTGGAAGCTGAGAAGCTGACTCTCCTGACTTTGGGTGCGCAGAGTCAAATCCTGGAGCCGCTCC
TTTTCTGGCCCTACACTCTGTTGCGTCGCTATGGCCGGGACAAGGTAATGTTCTCCTTTGAAGCTGGTCG
CCGCTGCCCCTCAGGCCCTGGGACCTTCACCTTCCAGACTTCTCAGGGAAATGACATCTTTCAGGCAGTT
GAGGCTGCCATCCAGCAGCAGAAAGCCCAAGGAAAGGTGGGCCAGGCACAGGATATCCTCAGAACTGACT
CCCATGACGGGGAGACAGAGGGGAAGACAGTTCCCCCTCCTGTTCCCCAGGACCCCCTGGGCAGCCCTCC
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GACCCCCTGGGCAGCACCCCTGCTGGGGCAGGGGAAGGGGTGCATTCCAAGAAACCTCTCTACTGGGATT
TGTATGGGCATGTGCAGCAGCAGTTACTGAAAACCAAGCTGACAGACTCCAAAGAGGACCCCATCTATGA
TGAACCTGAAGGCCTGGCCCCCGCCCCTCCCCGGGGCCTTTATGATCTGCCTCAGGAGCCTCGGGATGCA
TGGTGGTGCCAGGCTCGGCTGAAGGAAGAGGGCTATGAGCTCCCTTACAACCCTGCCACCGATGACTATG
CTGTGCCACCTCCCCGGAGCCCAAAGCCTGCTCCTGCCCCCAAGCCACAGGGCTTGATCCTTCCCGAATC
GGGTACCACTCGTGGCAGTGGCAGCAAAGGCTTCAGCTCAGATACAGCTCTGTACAGCCAGGTCCAGAAA
AGTGGGACCTCAGGGGCTTGGGACTGTGGACTCTCTAAAGTAGGGAATGACAGGGCGGGGGTCAAGTCTG
AGGGTTCCACCTGAGACAGTTGCTGATAGGAGGTCCAATGGGGTGGTGGCACTGAAAAAGAAACCGTAGG
GTGGGAGGGCCAGGGACCAGAGGAGTCAAGGGATGACCAGTCCCAGGAGTAGAACAAACAGGGCTGAGGG
ATAGGCCCTGGGGAGCCCCAGCAGCGTTAAGGATGGCTAGCTGATGGACTAGGCCTATGGAAGCGGCCCA
CTGGTCTGAGTGGGTGCCCTTTGGGGAGACCAGTGTGGATCTTCATTCTTGTTTTGTTCTTTGCCAGATA
CATATTTAACTTATAAGACAAATCTCATTAAAGCCAGCTTGGGTTGAAAAAAAAAAAAAAAA
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|---|---|
| **Restriction Sites:** | RsrII-NotI |
| **ACCN:** | NM_010070 |
| **Insert Size:** | 1449 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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:** | BC013066, AAH13066 |
| **RefSeq Size:** | 1812 bp |
| **RefSeq ORF:** | 1449 bp |
| **Locus ID:** | 13448 |
| **UniProt ID:** | P97465 |
| **Cytogenetics:** | 6 35.94 cM |
| **Gene Summary:** | DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3 (By similarity).[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). |