

Product datasheet for **RR201102**

Dok5 (NM_001109344) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dok5 (NM_001109344) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dok5
Synonyms: RGD1562846
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201102 representing NM_001109344
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCCAATTTAATGACATAGTGAAGCAGGGTACGTGAGGATCCGGAGCAGACGCCTAGGGATTT
ATCAGCGATGCTGGTTAGTGTTCAAGAAAGCTTCCAGCAAGGGTCAAAGAGACTGGAGAAGTTCTCAGA
TGAACGGGCTGCGTACTTCAGGTGTACCACAAGTTACAGAACTCAACAATGTGAAAAACGTAGCCCGG
TTGCCAAAGAGCACCAAGAAACATGCTATAGGGATTTATTTCAATGATGACACCTCGAAGACCTTTGCTT
GTGAATCAGATCTTGAGGCAGACGAATGGTGCAAGGTTCTCCAGATAGAGTGTGTGGGGACCAGAATCAA
TGACATCAGCCTCGGAGAACCTGACTTATTGGCCACTGGGGTGAACGAGAACAGAGCGAGAGATTCAAT
GTGATTTGATGCCATCTCCTAACTTAGATGTACATGGCGAATGTGCCTTGACAGATTACATATGAGTACA
TCTGTCTTTGGGACATCCAGAATCCCAGAGTTAAACTCATCTCTTGCCCGCTAAGTGCCCTGCGGCGGTA
TGGACGTGACACCACGTGGTTCACCTTTGAGGCAGGGAGGATGTGTGAGACTGGTGAAGGATTATTTATT
TTTCAAACACGAGACGGCGAGGCCATCTACCAGAAGGTCCACTCTGCTGCCTTGCCATAGCTGAGCAGC
ACGAACGCTTGTGCAGAGCGTGAAGAATCAATGCTCCAGATGAAGAAGAGTGAGCGGGCGGCCCTCGCT
GAACACCGTGGTCCCTGCCCCGAGTGCCTACTGGCAGCACATCACGAGGCAGCACAGCACAGGGCAG
CTGTACCACCTACAAGATGTACCAGCCCTCTGAGCTTCATCGGACAGAGACTTCCCAACCTACCGGT
CCGAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201102 representing NM_001109344
Red=Cloning site Green=Tags(s)

MASNFNDIVKQGYVRIRSRRLGIYQRCWLVFKKASSKGPKRLEKFSDERAAYFRCYHKVTELNNVKNVAR
 LPKSTKKHAIGIYFNDDTSKTFACESDLEADWCKVLQIECVGTRINDISLGEPELLATGVEREQSERFN
 VYLMPSNLDVHGECALQITYEYICLWDIQNPRVKLISWPLSALRRYGRDTTWTFEAGRMCEGGLFI
 FQTRDGEAIYQKVHSAALAIAEQHERLLQSVKNSMLQMKKSERAASLNTVVPLPR SAYWQHITRQHSTGQ
 LYHLQDVTSPKLHRTETFP TYRSEH

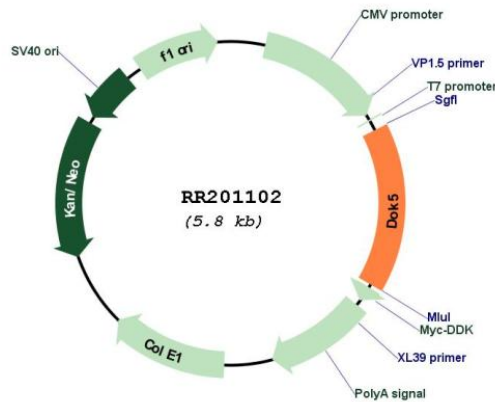
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109344

ORF Size: 918 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:	NM_001109344.2 , NP_001102814.1
RefSeq Size:	1469 bp
RefSeq ORF:	921 bp
Locus ID:	502694
Cytogenetics:	3q42
MW:	35.5 kDa