

Product datasheet for **RC230809**

DOK1 (NM_001197260) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK1 (NM_001197260) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DOK1
Synonyms:	P62DOK; pp62
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC230809 representing NM_001197260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGGAGCAGTGATGGAAGGCCGCTTTTTTTCAGAGTCAGCGCTTTGGGACCAAGAGGTGGAGGA
 AGACCTGGGCCGTGCTCTACCCGGCCAGTCCCCACGGCGTAGCGCGGCTCGAGTTCTTTGACCATAAGGG
 GTCGAGCTCTGGGGGTGGCCGAGGGAGCTCGCGCCGCTGGACTGCAAAGTGATCCGCTCGGCTGAGTGT
 GTGAGTGTGGCCCCGTACCGTGGAGACCCCCCTGAGCCCGGCCCACTGCCTCCGCTGGACTG
 CTCAGCGCTCGCACCTGCTGGCGCCGACGCGCCCTCAGTGCAGCCTGGGTGCAGACGCTGTGCCGAAA
 CGCCTTTCCGAAAGGCAGCTGGACTCTGGCGCCTACCGATAACCCACCTAAGCTTTCTGCCCTGGAGATG
 CTGGAGAACTCCTGTACAGCCCTACCTGGGAAGGATCCCAATTCTGGGTAAACGGTGCAGAGGACTGAGG
 CCGCCGAGCGCTGTGCCCTGCATGGCTCCTACGTGCTGAGGGTGGAGGCTGAAAGGCTGACTCTCCTGAC
 CGTGGGGGCCAGAGTCAGATACTGGAGCCACTCTGTCTGGCCCTACACTCTGTTGCGTGCATATGGC
 CGGGACAAGGTGATGTTCTCTTTTCGAGGCGGCCGCGCTGCCCTCAGGCCCTGGAACCTTCACCTTCC
 AGACGGCACAGGGAAATGACATCTTCCAGGCAGTTGAGACTGCCATCCACCGGCAGAAGGCCAGGGAAA
 GGCCGGACAGGGGACGATGTTCTCAGAGCTGACTCCCATGAAGGGGAGGTGGCAGAGGGGAAGTTGCC
 TCCCCACCTGGCCCCAAGAGCTCCTCGACAGTCCCCAGCCCTGTATGCTGAGCCCTTAGACTCCCTGC
 GCATTGCTCCATGCCCTTCCAGGACTCCCTATACTCAGACCCCTTGGACAGCAGCTGCTCAGGCAGG
 AGAGGGAGTACAACGGAAGAACTCTCTATTGGGACTTGATGAGCATGCGCAGCAGCAGTTGCTGAAG
 GCCAAGCTGACAGACCCAAAGAGGATCCCATCTATGATGAACCTGAGGGCTGGCCCCAGTCCCTCCCC
 AGGGCCTTTATGATCTGCCTCGGGAGCCCAAGGATGCATGGTGGTCCAAAGCTCGGGTGAAGGAGGAGGG
 CTATGAGCTCCCTACAACCTGCCACTGATGACTACGCTGTGCCACCCCTCGGAGCACAAAGCCCTC
 CTTGCTCCCAAGCCCCAGGGCCAGCCTTCCCTGAACCTGGTACTGCAACTGGCAGTGGCATCAAAAGCC
 ACAACTCAGCCCTGTACAGCCAGGTCCAGAAGAGCGGGCCCTCAGGGAGCTGGGACTGTGGGCTCTTAG
 AGTAGGGACTGACAAGACTGGGGTCAAGTCAGAGGGCTTACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230809 representing NM_001197260
 Red=Cloning site Green=Tags(s)

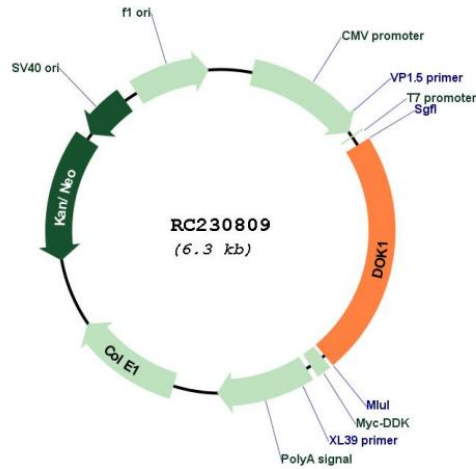
MDGAVMEGPLFLQSQRFGTKRWRKTWAVLYPASPFGVARLEFFDHKGSSSGGGGRSSRRLDCKVIRLAEC
 VSVAPVTVETPPEPGATAFRLDTAQRSHLLAADAPSSAAWVQTLCRNAFPKGSWTLAPTDNPPKLSALEM
 LENSLSYPTWEGSQFWVTVQRTEAAERCGLHGSYVLRVEAERLTLLTVGAQSQILEPLLSPYTLRRYR
 RDKVMFSFEAGRRCPSPGTFTFQTAQGNDFQAVETA.IHRQKAQKAGQGHDVLRADSHEGEVAEGKLP
 SPPGPQELLDSPPALYAEPLDSLRIAPCPSQDSLSDPLDSTSAQAGEGVQRKKPLYWDLYEHAQQQLLK
 AKLTDPKEDPIYDEPEGLAPVPPQGLYDLPREPKDAWWCQARVKEEGYELPYNPATDDYAVPPRSTKPL
 LAPKQPQPAFPEPGTATGSGIKSHNSALYSQVQKSGASGSWDCGLSRVGTDKTGKSEGST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001197260

ORF Size:

1443 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:

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 ORF: 1029 bp

Locus ID: 1796

UniProt ID: [Q99704](#)

Cytogenetics: 2p13.1

Protein Families: Druggable Genome

MW: 52.39 kDa

Gene Summary: The protein encoded by this gene is part of a signal transduction pathway downstream of receptor tyrosine kinases. The encoded protein is a scaffold protein that helps form a platform for the assembly of multiprotein signaling complexes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]