

Product datasheet for SC117635

DOK2 (NM_003974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK2 (NM_003974) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOK2
Synonyms:	p56DOK; p56dok-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117635 sequence for NM_003974 edited (data generated by NextGen Sequencing)

```

ATGGGAGACGGGCGAGTGAACAAGGCTTCTTGTATCTTCAGCAGCAGCAGACGTTTGG
AAGAAATGGCGCCGCTTCGGCGCCTCACTGTATGGAGGGTCGACTGCGCCTTGGCCCG
CTGGAGCTGCAGGAGGGCCCGGAGAAGCCTCGTCGGTGTGAGGCTGCCCGAAGGTCATC
CGCCTCAGTACTGCCTGCGGGTGGCCGAGGCCGGCGAGAGGCCAGCAGCCCCGGGAC
ACCAAGTGCCTTCTCCTGGAGACCAAGGAGCGCCTGTACCTCCTGGCGGCCCTGCAGCG
GAGCGCGGCGACTGGGTGCAGGCCATCTGCCTCCTGGCCTTCCCCGGGCAGAGGAAGGAG
CTCTCGGGGCCAGAGGAAAGCAGAGCCGGCCCTGCATGGAGGAAATGAATTGTACAGC
AGCGCAGTCACAGTCGGCCCCACAAGGAATTTGCTGTGACCATGAGACCTACAGAAGCC
AGTGAGAGGTGCCACCTGCGGGGTCTATAACCCTCCGGGCTGGGGAGAGTGCCCTGGAG
CTGTGGGGTGGGCCGAGCCAGGACCCAGCTGTACGACTGGCCCTACAGTTTCTGCGG
CGTTTTGGGCGGACAAAGTAACCTTTTCTTTGAGGCAGGCCGTCGCTGCGTCTCTGGA
GAGGGCAACTTTGAGTTCGAAACCCGGCAAGGCAATGAGATCTTCTTGGCCCTGGAAGAG
GCCATCTCTGCCAGAAGATGCTGCACCCGCTACACCCCAACCCAGCCAGCCACAATC
CCCGCCTCGTGGCCCGGCTGATAGCCCTACTCTCGGCCGATGACTCACTGCCGCCG
CCTTACCCACCACACCGGTGCCTGCTCCACGGCCTCGGGCCAGGAGGGGGAGTATGCC
GTGCCCTTCGATGCGGTGGCCGTTCTTGGGGAAGAACTTCAGGGGCATCTTGGCAGTC
CCTCCTCAGCTCCTGGCCGACCCTCTGTACGACAGCATTGAGGAGACCCTGCCCCCTCGA
CCTGACCACATATACGATGAGCCCGAGGAGTGGCTGCCCTGTCCCTCTATGACAGCCCG
CAGGAGCCCCGGGTGAGGCATGGAGGAGCAGGCGACAGCTGACAGGGACCCTGCTGGC
CTCCAGCATGTCCAGCCAGCTGGGCAGGATTTCTGCTTCTGGCTGGCAGCCAGGAACT
GAGTATGACAATGTTGTACTAAAGAAAGGCCCAAAGTGA

```

Clone variation with respect to NM_003974.2

786 g=>c;1161 c=>t



[View online >](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003974 unedited
 GTTCGAATATTTGTATACGACTCACTATAGGGCGGCNCGGAATTCGCACCAGNAGAGAG
 GCAAGGGCAGGAGTGAAGGAGAGAGCTGAAGCCTGGGGCTCCGAGATGGTCAGAGGATGG
 GAGACGGGGCAGTGAAACAAGGCTTCTTGTATCTTCAGCAGCAGCAGACGTTTGGAAAGA
 AATGGCGCCGCTTCGGCGCCTCACTGTATGGAGGGTCGGACTGCGCCTTGGCCCGGCTGG
 AGCTGCAGGAGGGCCCCGAGAAGCCTCGTCGGTGTGAGGCTGCCCGGAAGGTCATCCGCC
 TCAGTGACTGCCCTGCGGGTGGCCGAGGCCGCGGAGAGGCCAGCAGCCCCGGGACACCA
 GTGCCTTCTTCTGGAGACCAAGGAGCGCCTGTACCTCCTGGCGGCCCTGCAGCGGAGC
 GCGGCGACTGGGTGCAGGCCATCTGCCTCCTGGCCTTCCCCGGGCAGAGGAAGGAGCTCT
 CGGGGCCAGAGGAAAGCAGAGCCGGCCCTGCATGGAGGAAAATGAATTGTACAGCAGCG
 CAGTCACAGTCGGCCCCACAAGGAATTTGCTGTGACCATGAGACCTACAGAAGCCAGTG
 AGAGGTGCCACCTGCGGGGTCTATACCCTNCGGCTGNNAGAGTGCCTGGAGCTGTG
 NNGTGGGCCCCGAGCCAGGACCAGCTGTACACTGGCCCTACAGTTNCTGCNCGCT
 TTTGGCGGACAGGTTACCTTTTCTTTGAGCANGNCGTGCTCGTCTCTGGAGAGGG
 NCACTTTGAGTTCAAACCCGACAGCAATGAGATCTTCTGGNCCTGAAGAAGCCATCTC
 TGCCAGAAATGCTGNNACCGTTAAACCCAAACGNAGACAGNCCCAATCCCGNCTCGCT
 GCCCGGNTGAATAGCCCTACTCTTGGCGCATGACTCACTGCCGCGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003974 unedited
 NGTCCATTATGNACGCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTTTTTGTCTGA
 AAATGCTTTAATGCCACCAAGAACTGAAAGTGCAGGAAGCTGCCGCATCCCCCTGGGT
 GCCTGGGCCCAGGCTGTCCCTGAAGTGGCCATCAGCAGGCAGGAGGCTTGCATAGCCAAG
 CAGCCCAAGCAATTGCTGACATCCTTTTGTCTCTGCCCTAAATGCCCCAGGTTCTCTCT
 CAGCTGGGAAAAGAAAGAGGAGGAAGTGGAAAAAGAGTAGGAGGAGGGTGGTTCTCTCCA
 GGGCACCTTCTCTGCTTTGGGATGGTGACTCACCCAGCAGGCCCTGGGAGAGGCAATTTA
 TCAGCCCCAACGAAGACAGGCCAGGCCTCGGGCTCCAGAAGGGGCAGAGGAGGTTCTTCT
 GATGCAGTGGCCAGGAGGAGTACCAGCAGAAGCCAAGGGGCGGTGGACCATCCCTCTGC
 TGCTCTGTCACTTTGGGCCTTTCTTTAGTACAACATTGTCACTCAGTTCTCTGGCTGC
 CAGCCAGAAGCAGAGAAATCCTGCCAGCTGGCTGGACATGCTGGAAGCCAGCAGGGTCC
 CTGTCACTGTGCTGCTCCTCCATGCCTCACCCGGGGCTCCTGGCGGCTGTATAG
 AGGGACAGGGCAGCCACTCCCCTCGGCTCATCGTATATGTGGTCAGGTCGAGGGGGGACAG
 GGTCTNCTCAATGCTGTGTACAGAGGGTCGGGCAGGAGCTGAAGAGGGACTGCCAAGAT
 GCCCTGAAAGTCTCCCCAAGGACGGGCAACGCATCCGATGGCACGGGATACTCCCC
 TCCTGGCCCCAAGGCCCTGGAGCAAGCACCGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_003974

Insert Size:

1850 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.
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_003974.2](#), [NP_003965.2](#)

RefSeq Size: 1870 bp

RefSeq ORF: 1239 bp

Locus ID: 9046

UniProt ID: [O60496](#)

Cytogenetics: 8p21.3

Domains: PH, IRS

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. This encoded protein binds p120 (RasGAP) from CML cells. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).