

Product datasheet for **SC119250**

DOK1 (NM_001381) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK1 (NM_001381) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOK1
Synonyms:	P62DOK; pp62
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119250 sequence for NM_001381 edited (data generated by NextGen Sequencing)

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ATGGACGGAGCAGTGATGGAAGGGCCGCTTTTTTTCAGAGTCAGCGCTTTGGGACCAAG
AGGTGGAGGAAGACCTGGGCCGTGCTCTACCCGGCCAGTCCCCACGGCGTAGCGCGGCTC
GAGTTCTTTGACCATAAAGGGTCGAGCTCTGGGGGTGGCCGAGGGAGCTCGCGCCGCTG
GACTGCAAAGTGATCCGTCTGGCTGAGTGTGTGAGTGTGGCCCCGTACCGTGGAGACC
CCCCCTGAGCCCCGGCCACTGCCTTCCGCCTGGACACTGCTCAGCGCTCGACCTGCTG
CGGGCCGACGCGCCGTCCAGTGCAGCCTGGGTGCAGACGCTGTGCCGAAACGCCTTTCCG
AAAGGCAGCTGGACTCTGGCGCCTACCGATAACCCACCTAAGCTTTCTGCCCTGGAGATG
CTGGAGAACTCCTTGACAGCCCTACCTGGGAAGGATCCCAATTCTGGGTAAACGGTGCAG
AGGACTGAGGCCGCCGAGCGCTGTGGCCTGCATGGCTCCTACGTGCTGAGGGTGGAGGCT
GAAAGGCTGACTCTCTGACCGTGGGGGCCAGAGTCAGATACTGGAGCCACTCCTGTCC
TGGCCCTACACTCTGTTGCGTCGCTATGGCCGGGACAAGGTCATGTTCTTTTCGAGGCC
GGCCGCCGCTGCCCTCAGGCCCTGGAACCTTCACCTTCAGACGGCACAGGGAAATGAC
ATCTTCCAGGCAGTTGAGACTGCCATCCACCGGCAGAAGGCCAGGGAAAGGCCGGACAG
GGGCACGATGTTCTCAGAGCTGACTCCCATGAAGGGGAGGTGGCAGAGGGGAAAGTTGCCT
TCCCCACCTGGCCCCAAGAGCTCCTCGACAGTCCCCAGCCCTGTATGCTGAGCCCTTA
GACTCCCTGCGCATTGCTCCATGCCCTTCCCAGGACTCCCTATACTCAGACCCCTTGGAC
AGCAGCTCTGCTCAGGCAGGAGAGGGAGTACAACGGAAGAAACCTCTCTATTGGGACTTG
TATGAGCATGCGCAGCAGCAGTTGCTGAAGGCCAAGCTGACAGACCCCAAAGAGGATCCC
ATCTATGATGAACCTGAGGGCCTGGCCCCAGTCCCTCCCAGGGCCTTTATGATCTGCCT
CGGGAGCCCAAGGATGCATGGTGGTGCCAAGCTCGGGTGAAGGAGGAGGGCTATGAGCTC
CCCTACAACCCCTGCCACTGATGACTACGCTGTGCCACCCCTCGGAGCACAAAGCCCTC
CTTGCTCCCAAGCCCCAGGGCCAGCCTTCCCTGAACCTGGTACTGCAACTGGCAGTGCG
ATCAAAAGCCACAACCTACGCCCTGTACGCCAGGTCCAGAAGAGCGGGGCTCAGGGAGC
TGGGACTGTGGGCTCTCTAGAGTAGGGACTGACAAGACTGGGGTCAAGTCAGAGGGCTCT
ACCTGA
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Clone variation with respect to NM_001381.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001381 unedited
TGTTTAGATTTGTATACGACTCCTATAGCGGCNCGCAATTTCGCACGAGGCGGGGGCCA
TGGACGGAGCAGTGATGGAAGGGCCGCTTTTTTTCAGAGTCAGCGCTTTGGGACCAAGA
GGTGGAGGAAGACCTGGGCCGTGCTCTACCCGGCCAGTCCCCACGGCGTAGCGCGGCTCG
AGTTCTTTGACCATAAAGGGTCGAGCTCTGGGGGTGGCCGAGGGAGCTCGCGCCGCTGG
ACTGCAAAGTGATCCGTCTGGCTGAGTGTGTGAGTGTGGCCCCGTACCGTGGAGACCC
CCCCTGAGCCCCGGCCACTGCCTTCCGCCTGGACACTGCTCAGCGCTCGACCTGCTGG
CGGCCGACGCGCCGTCCAGTGCAGCCTGGGTGCAGACGCTGTGCCGAAACGCCTTTCCGA
AAGGCAGCTGGACTCTGGCGCCTACCGATAACCCACCTAAGCTTTCTGCCCTGGAGATGC
TGGAGAACTCCTTGACAGCCCTACCTGGGAAGGATCCCAATTCTGGGTAAACGGTGCAGA
GGACTGAGGCCGCCGAGCGCTGTGGCCTGCATGGCTCCTACGTGCTGAGGGTGGAGGCTG
AAAGGCTGACTCTCTGACCGTGGGGGCCAGAGTCAGATACTGGAGCCACTCCTGTCTCT
GGCCCTACACTCTGTTGCGTCGCTATGGCCGGGACAAGGTCATGTTCTTTTCGAGGCCG
GCCGCCCTGCCCTCAGGCCCTGGAACCTTCACCTTCAGACGGCACAGGGGAATGACA
TCTTTCCAGCAGTTGAGACTGCCTTACCGGCAAAAGCCCAAGGAAAGGCCCGACAGGG
GCACGATGTTCTCAGAGCTTGACTCCATGAAGGGACGTGGANAAGGGAATTGCCTTCCC
ACCTCGCCCCCAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001381 unedited <pre> GGACGCGGCCGAATCTANNATCGAGTTTTTTTTTTTTTTTTCTTAAACCCAAGCTGA CTTTAATGAGAATTTTAAATTTTAAATAGGTCTCTGGCAAAGACAATGCAGGAGTAAG GATCCAGGCACAGTCCAACATCTCCCTGAGGCCTCCACACAGGCCCTCAAAGTGCACCC ATTCTGACCATGCACCACTTTCCACAGACCTGGTCCCACAGCCGTCCTTCATTTGGGGA AGTAGGGAAGGGATGGCTTTGGGGGATGCAGAGCCCATCTCAGCCCTGCCATCTGCCCC ACTTCTTAGGACTTCTCTGGGATTGTCCTTCCCTTGACTCTCCCATCCCTCTGGTCCCCTG GTCTCACACAGCATGGCCCTCCACCCCTCTGGCTTCTGCTGGTTCTAACCATCTTCTTT GATCCCTAGTGCCACCTCCCATGGTCCCCTTAGCCACCTCAGCCTTGCCGTCCTTCTC AGGTAGAGCCCTCTGACTTGACCCAGTCTTGTCAGTCCCTACTCTAGAGAGCCACAGT CCCAGTCCCTGAGGCCCGCTCTTCTGGACCTGGCTGTACAGGGCTGAGTTGTGGCTTT TGATGCCACTGCCAGTTGCAGTACCAGTTTCAGGGAAGGCTGGGCCCTGNGGCTTGGGAG CAAGGAGGGGCTTTGTGCTCCGAGGGGGTGGCACAGCGTAGTCATCAGTGGCAGGTTTGT AGGGGAGCTCATAGCCCTCCTCCTACCCGAGCTTGGCACCACCATGCATCCTTGGGCTC CCGAGGCAGATCANTAAGCCCTGGGGAGGGACTGGGGCCAGCCCTCNAGNTCATCATA GAGGGNATCTCTTTGGGGTCTGTCTCAGCTGGCCTTCACAACTGCTGCTGCGCAGCTCATA CAGTCCCATAGAGAGCTCCTA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001381
Insert Size:	2000 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:	<u>NM_001381.2, NP_001372.1</u>
RefSeq Size:	1908 bp
RefSeq ORF:	1446 bp
Locus ID:	1796
UniProt ID:	<u>Q99704</u>
Cytogenetics:	2p13.1
Domains:	PH, IRS
Protein Families:	Druggable Genome

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]
Transcript Variant: This variant (1) encodes the longest isoform (a, also known as 1).