

Product datasheet for SC117956

DEK (NM_003472) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEK (NM_003472) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEK
Synonyms:	D6S231E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003472, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGCCTCGGCCCTGCTGCGGAGGGGGAGGGAACCCACCCAGCCCGCTCCGAGAAGAACCCG
AAATGCCCGGTCCCAGAGAGGAGAGCGAGGAGGAAGAGGACGAGGACGACGAGGAGGAGGAGGAGGA
AAAAGAAAAGAGTCTCATCGTGAAGGCAAGAGGGAAAAGAAAAAGTAGAGAGTTGACAATGCAAGTC
TCTTCCTTACAGAGAGAGCCATTTACAATTGCACAAGGAAAGGGCAGAACTTTGTGAAATTGAGAGGA
TACATTTTTTTCTAAGTAAGAAGAAAACCGATGAACCTTAGAAATCTACACAACTGCTTTACAACAGGCC
AGGCACGTGTCCTCATTAAAGAAGAATGTGGTCAGTTCAGTGGCTTTCCATTTGAAAAAGGAAGTGTC
CAATATAAAAAGAAGGAAGAAATGTTGAAAAATTTAGAAATGCCATGTTAAAGAGCATCTGTGAGGTTT
TTGATTTGGAGAGATCAGGTGTAATAGTGAACCTAGTGAAGAGGATCTTGAATTTCTTAATGCATCCAAA
GCCTTCTGGCAAACCATTTGCCGAAATCTAAAAAACTTGTAGCAAAGGCAGTAAAAAGGAACGGAACAGT
TCTGGAATGGCAAGGAAGGCTAAGCGAACCAATGTCCTGAAATCTGTGATGATGAATCTAGTAGTGATG
AAGATGAAAAGAAAAACAAGGAAGAGTCTTCAGATGATGAAGATAAAGAAAGTGAAGAGGAGCCACCAAA
AAAGACAGCCAAAAGAGAAAAACCTAACAGAAAGCTACTTCTAAAAGTAAAAATCTGTGAAAAGTGCC
AATGTTAAGAAAGCAGATAGCAGCACCACCAAGAAGAATCAAAACAGTTCAAAAAAGAAAGTGAAGTCTG
AGGATAGTTTTCAGATGATGAACCTTAAATTAAGTGAAGAAAGTGAAGAAAGTGAAGAAAGTGAAGTAAAGGA
ACAATAAAGAAATTAAGTGGCCAGTGCTAACTTGAAGAAGTCAAAATGAAACAGATTTGCAAAAAGGTC
TATGAAAATTATCCTACTTATGATTTAACTGAAAGAAAAGATTTTCATAAAAACTGTAAGAGAGCTAA
TTTCTTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003472 unedited
 TTCGAATTTTGTAAACGACTCACTATAGGCGGCCCGCGATTTCGGCACGAGGCGCGTGCC
 AGGCCCGCGGGCCGAAATCCGCGGTTACAGCATGTCCGCCTCGGCCCTGCTGCGGA
 GGGGGAGGGAACCCACCCAGCCCGTCCGAGAAAGAACCCGAAATGCCCGTCCCAG
 AGAGGAGAGCGAGGAGGAAGAGGACGAGGACGACGAGGAGGAGGAGGAGGAGGAAAAAGA
 AAAGAGTCTCATCGTGAAGGCAAGAGGGAAAAAGAAAAAGTAGAGAGTTGACAATGCA
 AGTCTCTTCCTTACAGAGAGAGCCATTTACAATTGCACAAGGAAAGGGGCAGAACTTTG
 TGAAATTGAGAGGATACATTTTTTTCTAAGTAAGAAGAAAACCGATGAACCTTAGAAATCT
 ACACAACTGCTTTACAACAGGCCAGGCACTGTGTCTCATTAAAGAAGATGTGGGTCA
 GTTCAGTGGCTTTCCATTTGAAAAAGGAAGTGTCCAATATAAAAAAGACCGAAGACATGCT
 GAAAAATTTAGAAATGCCCATGTTAAAGAGCATCTGTGAGGTTCTTGATTTGGAGAGAT
 CAGGTGCTAATAGTGAAGTAGTGAAGAGGATCTTGAATTTCTTAATGCATCCAAAAGCCT
 TCTGGCAAACATTGCCGAAATCTAAAAAACTTTGTAGCACAGGCAGTAAAAAGGAAC
 GGACCAGTTCTGGAATGGCAGGAAAGCCTAGCGAACACATGTCCTGAAATTTCTGTCAGA
 TGATCTAGTAGTATGAAGATGAAAAAAAACACGCAAGAGTCTTCCAATGATGAAGAT
 CAAGAACGTGAAAGGAGCCCCCAAAAAGACAGCCAAGCAGAAAACCTTAACAGCAACT
 TACTTTTAAATTAATAATCTCGTGAAGGCCCATGTTAAACAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003472 unedited
 GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGATTTAGATTTATTT
 TTATTGACAAGGTTTATAAGAACAATATTTAAAATCGAAGGCCAATTATTAGGTCTCAT
 TTAGTTGCTTATTTTGTCACTTGTATTTACCTTTCCCTAGTGTCTGAGTAACTATCAAG
 AAACAACTGTGAAAATACCTGTTAACATTCAACATATATTTTTATATATTTCTGTTCT
 ATGATGCAAAGATATTTTCAACACTTAATTGGTGAACAAATGTGCATTGTGTCATAA
 ACAGCATGTTTTAAAATTCAGATTTAATAAACTGATTTAAGACAGTAAATTTGAAAGACA
 AAATTAAGTCTCATTTCAGGAGTGGTCCATTATGTTGATCATCTAGAATCAACACTGATTA
 ACCAACTCTGAAAGCCAAGAGCCCAACTCCAGAGAAACATTAATTTCTTTAATGTAA
 AAGTATATTTTTTTGAGACACACTTTGTGAGAGATCCACGATTGCCTGCACATTATA
 TTCTGGCATTATAATCTGGTACTTTAGTCATAATCGTGAAGCTGGCTAGGTTTCCAGTAA
 ATATCAGCATTTTATATGGGCAAAAGCAGTTAATAAAAAATCAGTTCATTTACTGTAAGCC
 AAATGTGCTTGTACTTAATCCCACCTTTCCCAAAGTTTTTGAAGCTNTGATAGGTTGAT
 TTTTGGTCTGTCCTTATATATATAAAAACGTACCTACAGACACTTTTACAGAGTTAATACT
 AAAATTACAATTGATGACACTTTTCGAGGCAAGCANGGTAAGTGGTCCCTCAGTGTGCT
 CACTGAATGACTTCACTGTCCATCATACTGGTTGGCTGACACTGACATTCATAGTCTACA
 CTATAAAGAACCTACCTATGTGAGTTTAAAAGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_003472

Insert Size:

3120 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_003472.2](#), [NP_003463.1](#)

RefSeq Size: 2879 bp

RefSeq ORF: 1128 bp

Locus ID: 7913

UniProt ID: [P35659](#)

Cytogenetics: 6p22.3

Domains: SAP

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a protein with one SAP domain. This protein binds to cruciform and superhelical DNA and induces positive supercoils into closed circular DNA, and is also involved in splice site selection during mRNA processing. Chromosomal aberrations involving this region, increased expression of this gene, and the presence of antibodies against this protein are all associated with various diseases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).