

Product datasheet for RC225506

DEK (NM_001134709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEK (NM_001134709) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DEK
Synonyms:	D6S231E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225506 representing NM_001134709 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGCTCGGCCCTGCTGCGGAGGGGAGGGAAACCCACCCAGCCCGCTCCGAGAAAGAACCCG
AAATGCCCGTCCAGAGAGGAGAGCGAGGAGGAAGAGGACGAGGACGACGAGGAGGAGGAGGAGGA
AAAAGGAAAGGGCAGAACTTTGTGAAATTGAGAGGATACATTTTTTCTAAGTAAGAAGAAAACCGAT
GAACTTAGAAATCTACACAACTGCTTTACAACAGGCCAGGCACTGTGTCCTCATTAAAGAAGAATGTGG
GTCAGTTCAGTGGCTTTCCATTTGAAAAAGGAAGTGCCAATATAAAAAGAAGGAAGAAATGTTGAAAA
ATTTAGAAATGCCATGTTAAAGAGCATCTGTGAGGTTCTTGATTTGGAGAGATCAGGTGTAATAGTGAA
CTAGTGAAGAGGATCTTGAATTTCTTAATGCATCCAAAGCCTTCTGGCAAACATTGCCGAAATCTAAAA
AACTTGTAGCAAAGGCAGTAAAAAGGAACGGAACAGTTCTGGAATGGCAAGGAAGGCTAAGCGAACCAA
ATGTCCTGAAATCTGTGATGATGAATCTAGTAGTGATGAAGATGAAAAGAAAAACAAGGAAGAGTCTTCA
GATGATGAAGATAAAGAAAGTGAAGAGGAGCCACCAAAAAGACAGCCAAAAGAGAAAAACCTAACAGA
AAGCTACTTCTAAAAGTAAAAATCTGTGAAAAGTGCCAATGTTAAGAAAGCAGATAGCAGCACCACCAA
GAAGAATCAAAACAGTTCAAAAAGAAAGTGAAGTCTGAGGATAGTTCAGATGATGAACCTTTAATTTAA
AAGTTGAAGAAACCCCTACAGATGAAGAGTTAAAGGAAACAATAAGAAATTAAGTGGCCAGTGCCTAACT
TGGAAGAAGTCACAATGAAACAGATTTGCAAAAAGGTCTATGAAAATTATCCTACTTATGATTTAACTGA
AAGAAAAGATTTCAAAAACAACCTGTAAGAGGCTAATTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225506 representing NM_001134709
Red=Cloning site Green=Tags(s)

MSASAPAAEGEGTPTQPASEKEPEMPGPREESEEEEEDEDEEEEEEEKGGKQKLCEIERIHFFLSKKKTD
 ELRNLHKLLYNRPGTVSSLKKNVGFSGFPFEKGSVQYKKKEMLKKFRNAMLKSI CEVLDLERSGVNSE
 LVKRILNFLMHPKPSGKPLPKSKKTC SKGSKKERNSSGMARKAKRTKCEILSDESSSDEDEKKNKEESS
 DDEDKESEEEPPKKTAKREKPKQKATSKSKKSVKSANVKKADSSTTKKNQNSSKKESESESDSDEPLIK
 KLKKPPTDEELKETIKLLASANLEEVMTKQICKKVYENPTYDLTERKDFIKTTVKELIS

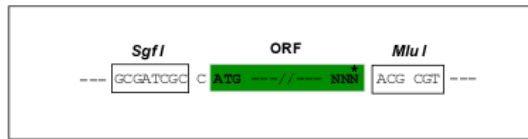
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8053_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001134709

ORF Size: 1023 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: [NM_001134709.2](#)

RefSeq ORF: 1026 bp

Locus ID: 7913

UniProt ID: [P35659](#)

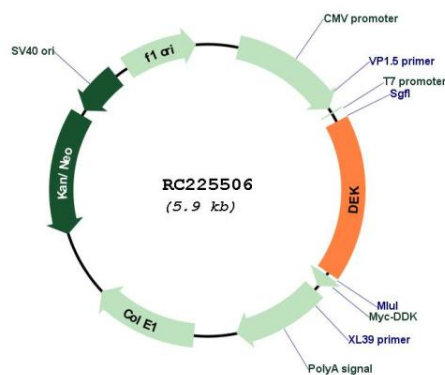
Cytogenetics: 6p22.3

Protein Families: Druggable Genome, Transcription Factors

MW: 38.5 kDa

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]

Product images:



Circular map for RC225506