

Product datasheet for **RG205754**

DEK (NM_003472) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEK (NM_003472) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DEK
Synonyms:	D6S231E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205754 representing NM_003472 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGCTCGGCCCTGCTGCGGAGGGGAGGGAAACCCACCCAGCCCGCTCCGAGAAAGAACCCG
AAATGCCCGTCCAGAGAGGAGAGCGAGGAGGAAGAGGACGAGGACGACGAGGAGGAGGAGGAGGA
AAAAGAAAAGAGTCTCATCGTGAAGGCAAGAGGGAAAAGAAAAAGTAGAGAGGTTGCAATGCAAGTC
TCTTCCTTACAGAGAGGCCATTTACAATTGCACAAGGAAAGGGCAGAACTTTGTGAAATTGAGAGGA
TACATTTTTTTCTAAGTAAGAAGAAAACCGATGAACTTAGAAATCTACACAACTGCTTTACAACAGGCC
AGGCACTGTGTCCTCATTAAAGAAGAATGTGGTCAAGTTCAGTGGCTTTCCATTTGAAAAAGGAAGTGC
CAATATAAAAAGAAGGAAGAAATGTTGAAAAATTTAGAAATGCCATGTTAAAGAGCATCTGTGAGGTTT
TTGATTTGGAGAGATCAGGTGTAATAGTGAACACTAGTGAAGAGGATCTTGAATTTCTAATGCATCCAAA
GCCTTCTGGCAAACCATTTGCCGAAATCTAAAAAACTTGTAGCAAAGGCAGTAAAAAGGAACGGAACAGT
TCTGGAATGGCAAGGAAGGCTAAGCGAACCAATGTCTGAAATCTGTGATGAAATCTAGTAGTGATG
AAGATGAAAAGAAAAACAAGGAAGAGTCTTCAAGATGATGAAGTAAAGAAAGTGAAGAGGAGCCACAAA
AAAGACAGCCAAAAGAGAAAAACCTAAACAGAAAGCTACTTCTAAAAGTAAAAATCTGTGAAAAGTGCC
AATGTTAAGAAAGCAGATAGCAGCACCAAGAAGAATCAAAACAGTTCCAAAAAGAAAGTGAAGTCTG
AGGATAGTTCAAGATGATGAACCTTTAATTAAGAAAGTTGAAGAAACCCCTACAGATGAAGAGTTAAAGGA
AACAATAAAGAAATTAAGGCGAGTCTAACTGGAAGAAGTCACAATGAAACAGATTTGAAAAAGGTC
TATGAAAATTATCCTACTTATGATTTAACTGAAAGAAAAGATTCATAAAAACACTGTAAGAGCTAA
TTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205754 representing NM_003472
 Red=Cloning site Green=Tags(s)

MSASAPAAEGEGTPTQPASEKEPEMPGPREESEEEEDDEEEEEEEKEKSLIVEGKREKKKVERLTMQV
 SSLQREPFTIAQKGKQKLCIEIRIHFFLSKKKTDELRLNLHKLLYNRPGTVSSLKKNVQFSGFPFEKGSV
 QYKKKEEMLKKFRNAMLKSI CEVLDLERSGVNSELVKRILNFMHPKPSGKPLPKSKKTC SKGSKKERN
 SGMARKAKRTKCP EILSDESSSDEDEKKNKEESSDDEDKESEEEPPKKTAKREKPKQATSKSKKSVKSA
 NVKKADSSTTKKQNSSKKESESEDSSDDEPLIKLKKPPTDEELKETIKKLLASANLEEVMTMKQICKKY
 YENPTYDLTERKDFIKTTVKELIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003472

ORF Size: 1125 bp

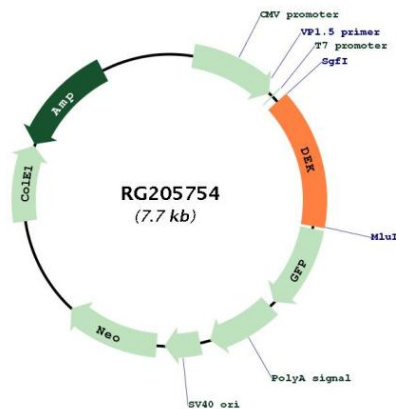
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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](#)

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:	<ol style="list-style-type: none">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_003472.4
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]

Product images:



Circular map for RG205754