

Product datasheet for RC237617

DLK2 (NM_001286655) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLK2 (NM_001286655) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DLK2
Synonyms:	DLK-2; EGFL9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237617 representing NM_001286655 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGCGGCTGCCGCTGCATCTCGTGTGCCTGTTGTGCATTCTGGGGCTCCCGGTCAGCCTG
TCCGAGCCGATGACTGCAGCTCCACTGTGACCTGGCCACGGCTGCTGTGCACCTGACGGCTCCTGCAG
GTGTGACCCGGGCTGGGAGGGGCTGCACGTGAGCGCTGTGTGAGGATGCCTGGCTGCCAGCACGGTACC
TGCCACCAGCCATGGCAGTGCATCTGCCACAGTGGCTGGGAGGCTTCCATGGGCGTGACTGCGAGCGCA
AGGCTGGACCCTGTGAACAGGCAGGCTCCCATGCCGCAATGGCGGGCAGTGCCAGGACGACCAGGGCTT
TGCTCTCAACTTCACGTGCCGCTGCTTGGTGGGCTTTGTGGGTGCCCGCTGTGAGGTAATGTGGATGAC
TGCTGATGCGGCCTTGTGCTAACGGTGCCACCTGCCTTGACGGCATAAACCCTTCTCCTGCCTGTGC
CTGAGGGCTTTGCTGGACGCTTCTGCACCATCAACCTGGATGACTGTGCCAGCCGCCATGCCAGAGAGG
GGCCCGCTGTGGGACCGTGTCCAGGACTTCGACTGCCTTGCCCAAGTGGCTATGGTGGCAAGACCTGT
GAGCTTGTCTTACCTGTCCAGACCCCCAACACAGTGGACACCCCTTAGGGCCACCTCAGCTGTAG
TGGTACCTGCCAGGGGCCAGCCCCACAGCGCAGGGGCTGGTCTGCTGCGGATCTCAGTGAAGGAGGT
GGTGGGAGGCAAGAGGCTGGGCTAGGTGAGCCTAGCTTGGTGGCCCTGGTGGTGTGGGGCCCTCACT
GCTGCCCTGGTTCTGGCTACTGTGTTGCTGACCTGAGGGCTGGCGCCGGGGTGTCTGCCCCCTGGAC
CCTGTTGCTACCTGCCACACTATGCTCCAGCGTGCCAGGACCAGGAGTGTGAGGTTAGCATGCTGCC
AGCAGGGCTCCCCCTGCCACGTGACTTGCCCCCTGAGCCTGAAAAGACCACAGCACTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237617 representing NM_001286655
Red=Cloning site Green=Tags(s)

MPSGCRCLHLVCLLCILGAPQPVRAADCSSHCDLAHGCCAPDGSCRCDPGWEGLHCERCVRMPGCQHGT
 CHQPWQCICHSGWAGFHGRDCERKAGPCEQAGSPCRNGGQCDDQGFALNFTCRCLVGFVARGCVNVDD
 CLMRPCANGATCLDGINRFSCLCEPGEFAGRFCTINLDDCASRPCQRGARCRRVHDFDCLCPSGYGGKTC
 ELVLPVPDPPTTVDTPLGPTSAVVVPATGPAPHSAGAGLLRISVKEVRRQEAAGLGEPSLVALVVFGLT
 AALVLATVLLTLRAWRRGVCPGPGCCYPAPHYAPACQDQCQVSMPLAGLPLPRDLPPPEPKTTAL

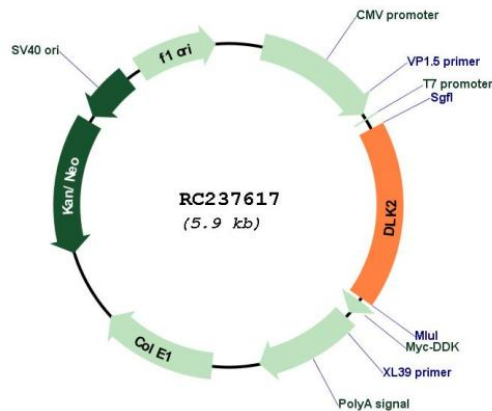
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286655

ORF Size: 1038 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:	<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_001286655.1 , NP_001273584.1
RefSeq Size:	1942 bp
RefSeq ORF:	1041 bp
Locus ID:	65989
UniProt ID:	Q6UY11
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane
MW:	37 kDa
Gene Summary:	Regulates adipogenesis.[UniProtKB/Swiss-Prot Function]