

Product datasheet for MR229622

DIk2 (NM_001286013) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DIk2 (NM_001286013) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: DIk2
Synonyms: AI413481; DLK-2; Egfl9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229622 representing NM_001286013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGCGGCTGCCGCTGCCTAAATCTCGTGTGCTGCTGTGCATCCTGGGGCAACCAGCCAGCCTG
 CCAGAGCGGATGACTGCAGCTCCACTGTGACCTGGCCACGGCTGCTGCGCTCCTGACGGCTCCTGCAG
 GTGTGACCCAGGCTGGGAGGGGCTGCACGTGAGCGCTGTGTGAGGATGCCTGGTGCCAGCACGGTACC
 TGCCACCAGCCCTGGCAGTGCATCTGCCACAGTGGCTGGCAGGAAAGTTCTGTGACAAAGATGAGCACA
 TCTGTACCTCACAAATCACCTGCCAGAATGGAGGCCAGTGTGTATGACGGGGTGGTGTGAGTACCACTG
 TGTGTGCTGCCAGGCTTCCATGGACGTGGCTGTGAGCGCAAGGCTGGACCTTGTGAGCAGGCAGGCTTC
 CCGTGCCGGAATGGAGGGCAGTGCCAGGACAACCAGGGTTTTGCCCTCAACTTCACATGCCGCTGCTTGG
 CAGGATTCATGGGTGCCACTGTGAGGTCAATGTGACGACTGTCTGATGCGGCTTGCGCCAATGGTGC
 CACATGCATTGATGGCATAAACCGCTTTTCCCTGCCTCTGTCTGAGGGCTTCGCTGGACGCTTCTGCACC
 ATCAACCTGGATGACTGTGCCAGCCGCCATGCCAGAGAGGGGCCGCTGCAGGGACCGTGTCCATGACT
 TTGACTGCCTGTGCCAGTGGCTATGGTGGTAAGACTTGTGAACCTGTCTACCTGCTCCAGAGCCTGC
 CTCAGTGGGCACCCACAATGCCACCTCAGCTGTAGTTGTACCTGCCACGGGGCCGCCCTCACAGT
 GCGGGGGCGGCCTGCTAAGGATCTCAGTGAAGGAGGTGGTACGGAGGCAAGAGTCTGGGCTTGGTGAAT
 CTAGCCTGGTTGCCCTGGTGGTGTGGGTCTCTCACTGCTGCGCTGGTCTGGCCACGGTGTGCTGAC
 CCTGAGGGCATGGCGCCGAGGTATATGCCCACTGGACCTGTGCTACCCAGCCCCACACTATGCCCA
 GCTCGGCAGGATCAGGAGTGCCAGGTTAGCATGCTGCCAGCGGGTTCCTCTGTCCCCAGACCTGCCCC
 CTGAGCCTGGTAAGACCACAGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229622 representing NM_001286013
Red=Cloning site Green=Tags(s)

MPSGCRCLNLVCLLCILGATSQPARADDCSSHCDLAHGCCAPDGSCRCDPGWEGLHCERCVRMPGCQHGT
 CHQPWQCIHSGWAGKFCDKDEHICTSQSPCQNGGQCVYDGGGEYHCVCLPGFHGRGCERKAGPCEQAGF
 PCRNGGQCQDNQGFALNFTCRCLAGFMGAHCEVNVDDCLMRPCANGATCIDGINRF SCLCPGFAGRFCT
 INLDDCASRPCQRGARCRDRVHDFDCLCPSTGYGGKTCCLVLPAPPEASVGTQPMPMTSAVVVPATGPAPHS
 AGAGLLRISVKEVVRQESGLGESSLVLVVFGSLTAALVLATVLLTLRAWRRGICPTGPCCYAPPHYAP
 ARQDQECQVSMPLPAGFPLSPDLPEPEPKTTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

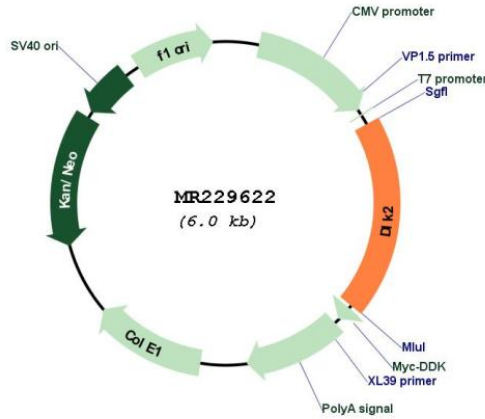
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286013

ORF Size:	1146 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_001286013.1 , NP_001272942.1
RefSeq Size:	1544 bp
RefSeq ORF:	1149 bp
Locus ID:	106565
UniProt ID:	Q8K1E3
Cytogenetics:	17 C
MW:	40.9 kDa
Gene Summary:	Regulates adipogenesis.[UniProtKB/Swiss-Prot Function]