

Product datasheet for **MC227411**

DIk2 (NM_001286013) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIk2 (NM_001286013) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	DIk2
Synonyms:	AI413481; DLK-2; Egfl9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227411 representing NM_001286013 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCGGCTGCCGCTGCCTAAATCTCGTGTGCCTGCTGTGCATCCTGGGGCAACCAGCCAGCCTG
CCAGAGCGGATGACTGCAGCTCCACTGTGACCTGGCCACGGCTGCTGCGCTCTGACGGCTCTGCAG
GTGTGACCCAGGCTGGGAGGGGCTGCACCTGTGAGCGTGTGTGAGGATGCCTGGTGCCAGCACGGTACC
TGCCACCAGCCCTGGCAGTGCATCTGCCACAGTGGCTGGCAGGAAAGTTCTGTGACAAAGATGAGCACA
TCTGTACCTCACAATCACCTGCCAGAATGGAGGCCAGTGTGTATGACGGGGTGGTGTAGTACCACTG
TGTGTGCCTGCCAGGCTTCCATGGACGTGGCTGTGAGCGCAAGGCTGGACCTTGTGAGCAGCAGGCTTC
CCGTGCCGGAATGGAGGGCAGTGCAGGACAACCAGGTTTTGCCCTCAACTTCACATGCCGCTGCTTGG
CAGGATTCATGGGTGCCACTGTGAGGTCAATGTGGACGACTGTCTGATGCGGCCTTGCGCCAATGGTGC
CACATGCATTGATGGCATAAACCCTTTTCTGCCTCTGTCTGAGGGCTTCGCTGGACGCTTCTGCACC
ATCAACCTGGATGACTGTGCCAGCCGCCATGCCAGAGAGGGGCCGCTGCAGGGACCGTGTCCATGACT
TTGACTGCCTGTGCCAGTGGCTATGGTGGTAAGACTTGTGAACCTGTCTACCTGCTCCAGAGCCTGC
CTCAGTGGGCACCCACAAATGCCACCTCAGCTGTAGTTGTACCTGCCACGGGGCCGGCCCTCACAGT
GCGGGGGCGGGCTGCTAAGGATCTCAGTGAAGGAGGTGTACGGAGGCAAGACTGGGCTTGGTGAAT
CTAGCCTGGTTGCCCTGGTGGTGTGGGTCTCTCACTGCTGCGCTGGTCTGGCCAGGCTGCTGCTGAC
CCTGAGGGCATGGCGCCGAGGTATATGCCCACTGGACCCTGCTGCTACCCAGCCCCACACTATGCCCA
GCTCGGCAGGATCAGGAGTGCCAGGTTAGCATGCTGCCAGCGGGTTCCCTCTGTCCCCAGACCTGCCCC
CTGAGCCTGGTAAGACCACAGCGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286013
Insert Size:	1149 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001286013.1</u> , <u>NP_001272942.1</u>
RefSeq Size:	1544 bp
RefSeq ORF:	1149 bp
Locus ID:	106565
UniProt ID:	<u>Q8K1E3</u>
Cytogenetics:	17 C
Gene Summary:	Regulates adipogenesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. CCDS Note: The coding region has been updated to represent an alternative splicing pattern that is more supported by the available transcript and protein data.