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Product datasheet for MR206011

Dlk1 (NM_010052) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlk1 (NM_010052) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlk1
Synonyms:	AW742678; DLK-1; DlkI; FA1; Ly107; Peg9; pG2; pref-1; SCP1; ZOG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206011 representing NM_010052
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGCGACCGGAGCCCTCCTGCGCGTCCTCTTGCTCCTGCTGGCTTTCGGCCACAGCACCTATGGGG
CTGAATGCGACCCACCCTGTGACCCCCAGTATGGATTCTGCGAGGCTGACAATGTCTGCAGGTGCCATGT
TGGCTGGGAGGGTCCCCTCTGTGACAAGTGTGTAACTGCCCCTGGCTGTGTCAATGGAGTCTGCAAGGAA
CCATGGCAGTGCATCTGCAAGGATGGCTGGGACGGGAAATTCTGCGAAATAGACGTTCGGGCTTGCACCT
CAACCCCCTGCGCCAACAATGGAACTTGCGTGGACCTGGAGAAAGGCCAGTACGAATGCTCCTGCACACC
TGGGTTCTCTGGAAAGGACTGCCAGCACAAGGCTGGGCCCTGCGTGATCAATGGTTCTCCCTGCCAGCAC
GGAGGCGCCTGCGTGGATGATGAGGGCCAGGCCTCGCATGCTTCCTGCCTGTGCCCCCCTGGCTTCTCAG
GCAACTTCTGTGAGATCGTAGCCGCAACCAACAGCTGTACCCCTAACCCATGCGAGAACGATGGCGTCTG
CACCGACATCGGGGGTGACTTCCGTTGCCGCTGCCCAGCTGGATTCGTCGACAAGACCTGCAGCCGCCCG
GTGAGCAACTGCGCCAGTGGCCCGTGCCAGAACGGGGGCACCTGCCTCCAGCACACCCAGGTGAGCTTCG
AGTGTCTGTGCAAGCCCCCGTTCATGGGTCCCACGTGCGCGAAGAAGCGCGGGGCTAGCCCCGTGCAGGT
CACCCACCTGCCCAGCGGCTATGGGCTCACCTACCGCCTGACCCCCGGGGTGCACGAGCTGCCTGTTCAG
CAGCCCGAGCAACACATCCTGAAGGTGTCCATGAAAGAGCTCAACAAGAGTACCCCTCTCCTCACCGAGG
GACAGGCCATCTGCTTCACCATCCTGGGCGTGCTCACCAGCCTGGTGGTGCTGGGCACCGTGGCCATCGT
CTTTCTCAACAAGTGCGAAACCTGGGTGTCCAACCTGCGCTACAACCACATGCTTCGCAAGAAGAAGAAC
CTCCTGTTGCAGTATAACAGCGGCGAGGAGCTGGCGGTCAATATCATCTTCCCCGAGAAGATTGACATGA
CCACTTTCAACAAGGAGGCTGGTGATGAGGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

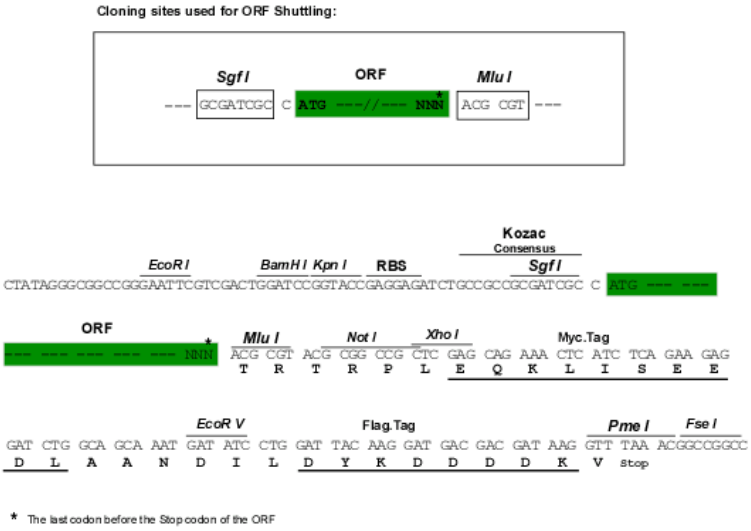
>MR206011 representing NM_010052
Red=Cloning site Green=Tags(s)

MIATGALLRVLLLLLAFGHSTYGAECDPPCDPQYGFCEADNVCRCHVGWEGPLCDKCVTAPGCVNGVCKE
PWQCICKDGWDGKFCEIDVRACTSTPCANNGTCVDLEKGQYECSCTPGFSGKDCQHKAGPCVINGSPCQH
GGACVDDEGQASHASCLCPPGFSGNFCEIVAATNSCTPNPCENDGVCTDIGGDFRCRCPAGFVDKTCSRP
VSNCASGPCQNGGTCLQHTQVSFECLCKPPFMGPTCAKKRGASPVQVTHLPSGYGLTYRLTPGVHELPVQ
QPEQHILKVSMKELNKSTPLLTEGQAICFTILGVLTSLVVLGTVAIVFLNKCETWVSNLRYNHMLRKKKN
LLLQYNSGEELAVNIIFPEKIDMTTFNKEAGDEEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010052

ORF Size: 1155 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_010052.5, NP_034182.2

RefSeq Size: 1635 bp

RefSeq ORF: 1158 bp

Locus ID: 13386

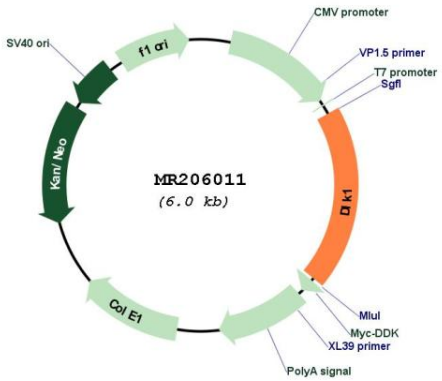
UniProt ID: Q09163

Cytogenetics: 12 60.17 cM

MW: 41.8 kDa

Gene Summary: May have a role in neuroendocrine differentiation. Inhibits adipocyte differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206011