

Product datasheet for **MR227606**

DLK1 (NM_001190705) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DLK1 (NM_001190705) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: DLK1
Synonyms: AW742678; DLK-1; Dlk1; 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: >MR227606 representing NM_001190705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGCGACCGGAGCCCTCTGCGCGTCTCTTGTCTCTGCTGGCTTTCGGCCACAGCACCTATGGGG
CTGAATGCGACCCACCCTGTGACCCCAAGTATGGATTCTGCGAGGCTGACAATGTCTGCAGGTGCCATGT
TGGCTGGGAGGGTCCCCTCTGTGACAAGTGTGAACTGCCCTGGCTGTGTCAATGGAGTCTGCAAGGAA
CCATGGCAGTGCATCTGCAAGGATGGCTGGGACGGGAAATCTGCGAAATAGACGTTCCGGCTTGCACCT
CAACCCCTGCGCAACAATGGAACCTGGCTGGACCTGGAGAAAGCCAGTACGAATGCTCTGCACACC
TGGGTTCTCTGGAAGGACTGCCAGCACAAAGGCTGGGCCCTGCGTGATCAATGGTTCTCCCTGCCAGCAC
GGAGGCGCTGCGTGGATGATGAGGGCCAGGCCTCGCATGCTTCCCTGCCTGTGCCCCCTGGCTTCTCAG
GCAACTTCTGTGAGATCGTAGCCGCAACCAACAGCTGTACCCCTAACCCATGCGAGAACGATGGCGTCTG
CACCGACATCGGGGGTGACTTCCGTTGCCGCTGCCAGCTGGATTTCGTCGACAAGACCTGCAGCCGCCCCG
GTGAGCAACTGCGCCAGTGGCCCGTCCAGAACGGGGCACCTGCCTCCAGCACACCCAGCCGAGCAAC
ACATCCTGAAGGTGTCCATGAAAGAGCTCAACAAGAGTACCCCTCCTCACCAGGGACAGGCCATCTG
CTTCACCATCCTGGGCGTGTCAACCTGCGCTACAACCACATGCTTCGCAAGAAGAAGAACCTCCTGTTGCAGT
ATAACAGCGGCGAGGAGCTGGCGTCAATATCATCTTCCCCGAGAAGATTGACATGACCACCTTCAACAA
GGAGGCTGGTGTGAGGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227606 representing NM_001190705
Red=Cloning site Green=Tags(s)

MIATGALLRVLLLLLAFGHSTYGAECDPPCDPQYGFCEADNVCRCRVGWEGLCDKCVTAPGCVNGVCKE
 PWQCICKDGDGKFCEIDVRACTSTPCANNGTCDVLEKGQYECSTPGFSGKDCQHKAGPCVINGSPCQH
 GGACVDDEGQASHASCLCPPGFSGNFCEIVAATNSCTPNPCENDGVCTDIGGDFRCRCPAGFVDKTC SRP
 VSNCASGPCQNGGTCLQHTQPEQHILKVSMKELNKSTPLLTEGQAICFTILGVL TSLVVLGTVAIVFLNK
 CETWVSNLRYNHMLRKKKNLLLQYNSGEELAVNIIFPEKIDMTTFNKEAGDEEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001190705

ORF Size: 1002 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_001190705.1](#), [NP_001177634.1](#)

RefSeq Size: 4186 bp

RefSeq ORF: 1005 bp

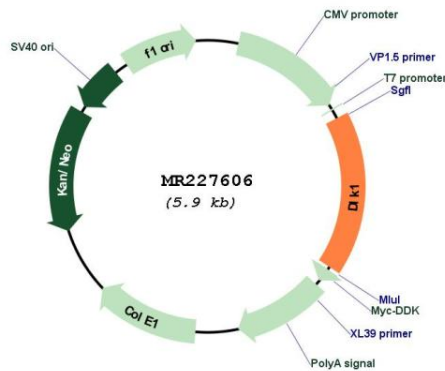
Locus ID: 13386

Cytogenetics: 12 60.17 cM

MW: 36.3 kDa

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

Product images:



Circular map for MR227606