

Product datasheet for **MG227606**

DLK1 (NM_001190705) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLK1 (NM_001190705) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DLK1
Synonyms:	AW742678; DLK-1; DLKl; FA1; Ly107; Peg9; pG2; pref-1; SCP1; ZOG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227606 representing NM_001190705 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGCGACCGGAGCCCTCTGCGCGTCTCTTGTCTCTGCTGGCTTTCGGCCACAGCACCTATGGGG
CTGAATGCGACCCACCCTGTGACCCCCAGTATGGATTCTGCGAGGCTGACAATGTCTGCAGGTGCCATGT
TGGCTGGGAGGGTCCCCTCTGTGACAAGTGTGAACTGCCCTGGCTGTGTCAATGGAGTCTGCAAGGAA
CCATGGCAGTGCATCTGCAAGGATGGCTGGGACGGGAAATCTGCGAAATAGACGTTCCGGCTTGCACCT
CAACCCCTGCGCAACAATGGAACCTTGGCTGGACCTGGAGAAAGCCAGTACGAATGCTCTGCACACC
TGGGTTCTCTGGAAGGACTGCCAGCACAAAGGCTGGGCCCTGCGTGATCAATGGTCTCCCTGCCAGCAC
GGAGGCGCTGCGTGGATGATGAGGGCCAGGCCTCGCATGCTTCCCTGCCTGTGCCCCCTGGCTTCTCAG
GCAACTTCTGTGAGATCGTAGCCGCAACCAACAGCTGTACCCCTAACCCATGCGAGAACGATGGCGTCTG
CACCGACATCGGGGGTGACTTCCGTTGCCGCTGCCAGCTGGATTTCGTCGACAAGACCTGCAGCCGCCCCG
GTGAGCAACTGCGCCAGTGGCCCGTGCCAGAACGGGGCACCTGCCTCCAGCACACCCAGCCGAGCAAC
ACATCCTGAAGGTGTCCATGAAAGAGCTCAACAAGAGTACCCCTCCTCACCAGGGACAGGCCATCTG
CTTCACCATCTGGGCGTGCTCACCAGCCTGGTGGTGTGGGCACCGTGGCCATCGTCTTCTCAACAAG
TGCGAAACCTGGGTGTCCAACCTGCGCTACAACCACATGCTTCGCAAGAAGAAGAACCTCCTGTTGCAGT
ATAACAGCGGCGAGGAGCTGGCGGTCAATATCATCTTCCCCGAGAAGATTGACATGACCCTTCAACAA
GGAGGCTGGTGTGAGGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227606 representing NM_001190705
 Red=Cloning site Green=Tags(s)

MIATGALLRVLLLLAFGHSTYGAECDPPCDPQYGFCEADNVCRCRVGWEGLCDKCVTAPGCVNGVCKE
 PWQCICKDGDGKFCIDVRACTSTPCANNGTCVDLEKQYECSTPGFSGKDCQHKAGPCVINGSPCQH
 GGACVDDEGQASHASCLCPPGFSGNFCEIVAATNSCTPNPCENDGVCTDIGGDFRCRCPAGFVDKTC SRP
 VSNCASGPCQNGGTCLQHTQPEQHILKVSMKELNKSTPLLTEGQAICFTILGVL TSLVVLGTVAIVFLNK
 CETWVSNLRYNHMLRKKKNLLLQYNSGEELAVNIIFPEKIDMTTFNKEAGDEEI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

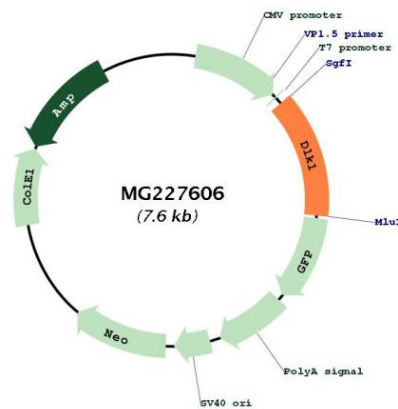
RefSeq ORF: 1005 bp

Locus ID: 13386

Cytogenetics: 12 60.17 cM

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

Product images:



Circular map for MG227606