

Product datasheet for **MG227602**

DLK1 (NM_001190703) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DLK1 (NM_001190703) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: DLK1
Synonyms: AW742678; DLK-1; Dlk1; 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: >MG227602 representing NM_001190703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCGCGACCGGAGCCCTCCTGCGCGTCTCTTGCTCCTGCTGGCTTTCGGCCACAGCACCTATGGGG
 CTGAATGCGACCCACCCTGTGACCCCCAGTATGGATTCTGCGAGGCTGACAATGTCTGCAGGTGCCATGT
 TGGCTGGGAGGGTCCCCTCTGTGACAAGTGTGTAAGTCCCTGGCTGTGTCAATGGAGTCTGCAAGGAA
 CCATGGCAGTGCATCTGCAAGGATGGCTGGGACGGGAAATCTGCGAAATAGACGTTCCGGCTTGCACCT
 CAACCCCTGCGCAACAATGGAAGTGGCTGGGACCTGGAGAAAGCCAGTACGAATGCTCCTGCACACC
 TGGGTTCTCTGGAAAGGACTGCCAGCACAAAGGCTGGGCCCTGCGTGATCAATGGTTCTCCCTGCCAGCAC
 GGAGGCGCTGCGTGGATGATGAGGGCCAGGCCTCGCATGCTTCCCTGCCTGTGCCCCCTGGCTTCTCAG
 GCAACTTCTGTGAGATCGTAGCCGCAACCAACAGCTGTACCCCTAACCCATGCGAGAACGATGGCGTCTG
 CACCGACATCGGGGGTGACTTCCGTTGCCGCTGCCAGCTGGATTTCGTCGACAAGACCTGCAGCCGCCCC
 GCCATCTGCTTACCATCCTGGGCGTGTCAACCTGCGCTACAACCACATGCTTCGCAAGAAGAAGAACCTCCT
 GTTGCAGTATAACAGCGGCGAGGAGCTGGCGGTCAATATCATCTTCCCCGAGAAGATTGACATGACCACT
 TCAACAAGGAGGCTGGTGTGATGAGGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227602 representing NM_001190703
Red=Cloning site Green=Tags(s)

MIATGALLRVLLLLLAFGHSTYGAECDPPCDPQYGFCEADNVCRCRVGWEGLCDKCVTAPGCVNGVCKE
 PWQCICKDGDGKFCIDVRACTSTPCANNGTCDLEKQYECSTPGFSGKDCQHKAGPCVINGSPCQH
 GGACVDDEGQASHASCLCPPGFSGNFCEIVAATNSCTPNPCENDGVCTDIGGDFRCRCPAGFVDKTC SRP
 AICFTILGVL TSLVVLGTVAIVFLNKCE TWVSNLRYNHMLRKKKNNLLQYNSGEELAVNIIFPEKIDMTT
 FNKEAGDEEI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190703

ORF Size: 870 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_001190703.1](#), [NP_001177632.1](#)

RefSeq Size: 4054 bp

RefSeq ORF: 873 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 MG227602