

Product datasheet for **MR230462**

Ddhd1 (NM_001284399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddhd1 (NM_001284399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddhd1
Synonyms:	Mir5131; PA-PLA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR230462 representing NM_001284399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAAGTCTATCTCTACAGTGACGCAACAACATCCAAAATTGCGAGAACCCTTACCCAAAACTGG
 GCTTTTCTAAAGCCTCCAGCAGTGGACCAGACTGCACAGAGTTATGTAGAAGAAGCCACACTGGAAGA
 CAAGCCGTCGCAGACTTCTCATATCGTGTGTTGTTGTCACGCGCATTGGACAGAAGATGGACCAAGGAAGA
 ATCATCAAAAACACAGCCATGATGAGAGAGGCTGCAAGGAAAATGGAAGAAAAGCATTTTTCCAACCATG
 CAACACATGTTGAATTTCTGCCTGTTGAATGGCGATCAAAGCTTACTCTTGATGGAGACACAGTTGATTC
 CATCACTCTGACAAAAGTGCAGGCCTGAGGGACATGCTCAACAGCAGCGCGATGGACATCATGTACTAC
 ACCAGCCCACTCTACAGGGATGAGCTAGTTAAAGGCCTCAGCAAGAGCTGAATCGATTATATCCCTTT
 TCTGTTCCCGAATCCAGACTTTGAAGAGAAAAGGGGTAAAGTCTCAATAGTGTCCCATCTTGGGGTG
 TGTAACTACTTATGACATCATGATGGGCTGGAATCCAGGTGGACTCTATGAGCAGCTGCTGCAGAAGGAG
 GAAGAGCTGCCCGACGAGCGGTGGATGAGCTATGAAGAGCGGCATCTTCTTGACGAGCTCTATATAACAA
 AGCGACGGCTGAGGGAATAGAAGATCGCTGCACGGATTGAAGGCGCCATCCATATCACAAACACCTGC
 CTTAAATTTAAGGTTGAAAATTTCTTCTGTATGGGATCTCCGCTAGCAGTTTTTTTGGCATTACGCGGC
 ATCCGACCAGGAAATTTGGAAGTCAAGACCACATTTTACCTAGAGAGATCTGTAACCGCTTACTAATA
 TTTTTCATCCTACGGACCCAGTGGCCTACAGATTAGAACCCTTGATTTTGAAACTACAGCAACATTTTC
 TCCAGTCCAGATCCACTGGTACAACACTTCAAACCCTCTACCTTATGAGCATATGAAGCCAAATTTTCTC
 AACCCAGCAAAAAGAACCTACCTCAGTTTCAGACAGTGAAGAACATGACAGCTATCCAAGCCCTGTGACCT
 CCCCCTCTTATCTCGGCGCCACTATGGAGAATCTATAACTAACATTGGCAAAGCAAGCATATTGGGGGC
 TGCTAGCATTGGAAAGGGCCTTGAGGAATGTTGTTCTCAAGATTGGAGCTTCTCAGCATCACAGCCG
 TCTGAGCCATCTAAAGACTCACTGGAAGATGATAAGAAGCCTTCAGCTTACCCTCTACCACCACCTGG
 CAACGCAGACCCTGCCGCACAGTGGCTCCGGCTTCTCGACTCCGCATATTTAGACTTCAAGAATCGTT
 CTTTTATCTCCACAACCTCTTTTTCCGAAAAATGTAATGCAGAGTAAAGATGATAGCCTCGTGGAACTG
 GAACACAGGATCGACTTTGAACTCAGAGAAGGCCTTGTGGAGAGCCGCTATTGGTCAGCCGTACGTCGC
 AACTGCCTATTGGTCATCCTTGGATGTCGCTCTTTTTCTTTAACATTCATGTACAAACACGAGCATGA
 TACCGAGGCCAAGCCAGCCTAGGTTCACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230462 representing NM_001284399
 Red=Cloning site Green=Tags(s)

MDEVYLYSDATTSKIARTVTQKLGFSKASSGTRLHRGVVEEATLEDKPSQTSIHVIVVHIGIQKMDQGR
 IIKNTAMMREAARKMEEKHFSNHATHVEFLPVEWRSLTLDGDTVDSITPDKVRGLRDMLNSSAMDIMYY
 TSPLYRDELVKGLQQELNRLYSLFCSRNPDFEEKGKVSIVSHSLGCVITYDIMMGNPGLYEQLLQKE
 EELPDERWMSYEERHLLDELITKRRLREIEDRLHGLKAPISQTPALKFKVENFFCMGSP LAVFLALRG
 IRPNGSGSDHILPREICNRLNIFHPTDPVAYRLEPLILKHYSNISPVQIHWYNTSNPLPYEHMKNFL
 NPAKEPTSVSDSENIAAIPSPVTSPLVSRRHYESITNIGKASILGAASIGKGLGMLFSRFRSSASQP
 SEPSKDSLEDDKPSASPSTTTVATQTLPHSGSGFLDSAYFRLQESFFYLPQLLFPENVMQSKDDSLVEL
 EHRIDFELREGLVESRYWSAVTSHTAYWSSLDVALFLLTFMYKHEHDTEAKPSLGSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001284399

ORF Size: 1641 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_001284399.1](#), [NP_001271328.1](#)

RefSeq Size: 5173 bp

RefSeq ORF: 1644 bp

Locus ID: 114874

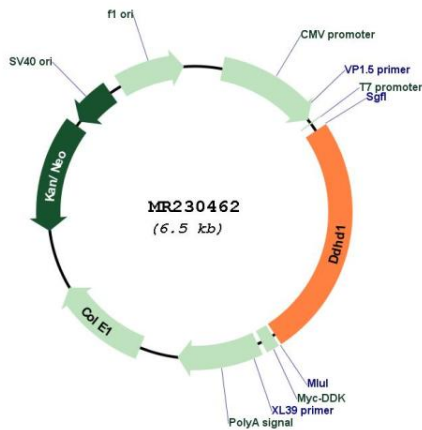
UniProt ID: [Q80YA3](#)

Cytogenetics: 14 C1

MW: 62.3 kDa

Gene Summary: Phospholipase that hydrolyzes phosphatidic acid, including 1,2-dioleoyl-sn-phosphatidic acid. The different isoforms may change the substrate specificity (By similarity). Required for the organization of the endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230462