

## Product datasheet for **MC228251**

### **Ddhd1 (NM\_001284399) Mouse Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >MC228251 representing NM\_001284399  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAAGTCTATCTCTACAGTGACGCAACAACATCCAAAATTGCGAGAACCCTTACCCAAAACTGG  
 GCTTTTCTAAAGCCTCCAGCAGTGGACCAGACTGCACAGAGTTATGTAGAAGAAGCCACACTGGAAGA  
 CAAGCCGTCGCACTTCTCATATCGTGTGTTGTTGTCACGCGCATTGGACAGAAGATGGACCAAGGAAGA  
 ATCATCAAAAACACAGCCATGATGAGAGAGGCTGCAAGGAAAATGGAAGAAAAGCATTTTTCCAACCATG  
 CAACACATGTTGAATTTCTGCCTGTTGAATGGCGATCAAAGCTTACTCTTGATGGAGACACAGTTGATTC  
 CATCACTCTGACAAAAGTGCAGGCCTGAGGGACATGCTCAACAGCAGCGCGATGGACATCATGTACTAC  
 ACCAGCCCCTACAGGGATGAGCTAGTTAAAGGCCTCAGCAAGAGCTGAATCGATTATTTCCCTTT  
 TCTGTTCCCGAATCCAGACTTTGAAGAGAAAAGGGGTAAAGTCTCAATAGTGTCCCATCTTGGGGTG  
 TGTAATCACTTATGACATCATGATGGGCTGGAATCCAGGTGGACTCTATGAGCAGCTGCTGCAGAAGGAG  
 GAAGAGCTGCCCGACGAGCGGTGGATGAGCTATGAAGAGCGGCATCTTCTTGACGAGCTCTATAACAA  
 AGCGACGGCTGAGGGAATAGAAGATCGCTGCACGGATTGAAGGCGCCATCCATATCACAAACACCTGC  
 CTTAAATTTAAGGTTGAAAATTTCTTCTGTATGGGATCTCCGCTAGCAGTTTTTTTGGCATTACGCGGC  
 ATCCGACCAGGAAATTTGGAAGTCAAGACCACATTTTACCTAGAGAGATCTGTAACCGCTTACTAATA  
 TTTTTCATCCTACGGACCCAGTGGCCTACAGATTAGAACCCTTGATTTTGAAACTACAGCAACATTTTC  
 TCCAGTCCAGATCCACTGGTACAACACTTCAAACCTCTACCTTATGAGCATATGAAGCCAAATTTTCTC  
 AACCCAGCAAAAAGAACCTACCTCAGTTTCAGACAGTGAGAACATAGCAGCTATCCCAAGCCCTGTGACCT  
 CCCCCTCTTATCTCGGCCCACTATGGAGAATCTATAACTAACATTGGCAAAGCAAGCATATTGGGGGC  
 TGCTAGCATTGGAAAGGCCTTGAGGAATGTTGTTCTCAAGATTTGGAGTTCTTCAGCATCACAGCCG  
 TCTGAGCCATCTAAAGACTCACTGGAAGATGATAAGAAGCCTTCAGCTTACCCTCTACCACCACGTGG  
 CAACGCAGACCCTGCCGCACAGTGGCTCCGGCTTCTCGACTCCGCATATTTAGACTTCAAGAATCGTT  
 CTTTTATCTCCACAACCTCTTTTTCCGAAAAATGTAATGCAGAGTAAAGATGATAGCCTCGTGGAACTG  
 GAACACAGGATCGACTTTGAACTCAGAGAAGGCCTTGTGGAGAGCCGCTATTGGTCAGCCGTACGTCGC  
 AACTGCCTATTGGTCATCCTTGGATGTCGCTTTTTTCTTTTAAACATTCATGTACAAACACGAGCATGA  
 TACCGAGGCCAAGCCAGCCTAGGTTCACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001284399
- Insert Size:** 1644 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

**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]  
Transcript Variant: This variant (4) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 3. The encoded isoform (4) has a shorter N-terminus, compared to isoform 3.