

Product datasheet for **MC222393**

Ddhd1 (NM_176845) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddhd1 (NM_176845) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddhd1
Synonyms:	Mir5131; PA-PLA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222393 representing NM_176845
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTACCGGGCCGGCGCCCCACGGAGCCCCGAGCGTAACGGCCCGGGCGCGGTGCCTGGGAGC
 TGGGCTCGGACGGCGGGCGGTGTTTCGGCGCGCGGCTGCTGCTTCGAGCACCAGCCGGCGACAGCGT
 GCCGCTGTCGCTGCTGCGCGCCGAGCCGCTGCACCTGGCACCGGGCGCCGACACCTGAGCCACCTGGCT
 CTGGACCCGTGCCTCAGCGACGAGACCTACGACTTCAGCTCGGCCGAGTCCGGCTCGTCTGTGCGTACT
 ACAGCGAGGGCGAGAGCGGGCGGGCGGACGCTTCTTCGCTCCGCCCGCTCGTCCGACGAACTC
 GGGGGCGGGGGCGGGGAGGGGGCCCCGGGGACAGGAAGCGCGCCCGGGCCGGCGCGCAGCCGCC
 CGGCACCCTACGAGGTGGTACGGAGCTGGGCCCGAGGAGTGCCTGTTTACAAGGAAGACAAGA
 AGACCTGGAAGCCCTTCATCGGCTACGACTCTCGCATCGAGCTCGCCTCCGGACCCGCTGCAGAC
 CACGGGCGCCAGGCCCGGGCGGGCCGCGATGGAGACCGGGTGTGTGCCAAAGCTCCAGCTTCGGG
 GAGGAAGACGAGGAGACAGCGCTGCGGCTTCTGCCCGCGCGGGCGGGCCTGAGCCGGAGATGGAGG
 AGCTGGTGACCATCGAGCCGGTGTGCTGCGCGCGGCCCTACGAGGTGGATGTCACTCAAGGAGAGTG
 CTACCCGGTGTACTGGAACCAAGCTGATAAAATACCAAGTAAATGCGTGGACAGTGGTTTATTGATGGGACG
 TGGCAACCTCTAGAAGAAGAAGAAAGTAATTTAATTGAGCAAGAACATCTCAGTTGTTTTAGGGTCAAG
 AGATGCAAGAAAATTTGATATTGAAGTGTCAAAATCCTTAGATGGAAAAGACGCTGTTCACAGTTTCAA
 GCTGAGTCGGAACCACGTGGACTGGCACAGCATGGATGAAGTCTATCTACAGTACGCAACAACATCC
 AAAATTGCGAGAACCCTTACCAAAAACCTGGGCTTTTCTAAAGCCTCCAGCAGTGGGACCCAGACTGCACA
 GAGGTTATGTAAGAAGCCACACTGGAAGACAAGCCGTCGAGACTTCTCATATCGTGTGTTGTGCA
 CGGCATTGGACAGAAGATGGACCAAGGAAGAATCATCAAAAACACAGCCATGATGAGAGAGGCTGCAAGG
 AAAATGGAAGAAAAGCATTTTTTCCAACCATGCAACACATGTTGAATTTCTGCCTGTTGAATGGCGATCAA
 AGCTTACTCTTGATGGAGACACAGTTGATTCCATCACTCCTGACAAAGTGCAGGCGCTGAGGGACATGCT
 CAACAGCAGCGCATGGACATCATGACTACACCAGCCACTCTACAGGGATGAGCTAGTTAAAGGCCTT
 CAGCAAGAGCTGAATCGATTATATCCCTTTTCTGTTCCCGAATCCAGACTTTGAAGAGAAAGGGGTA
 AAGTCTCAATAGTGTCCATTCTTGGGGTGTGAATCACTTATGACATCATGATGGGCTGGAATCCAGG
 TGGACTCTATGAGCAGCTGCTGCAGAAGGAGGAAGAGCTGCCCGACGAGCGGTGGATGAGCTATGAAGAG
 CGGCATCTTCTGACGAGCTCTATAACAAAGCGACGGCTGAGGAAATAGAAGATCGGCTGCACGGAT
 TGAAGGCCCATCCATATCACAACACCTGCCTTAAAATTTAAGGTTGAAAATTTCTTGTATGGGATC
 TCCGCTAGCAGTTTTTTGGCATTACGGCGCATCCGACCAGGAAATTTCTGGAAGTCAAGACCACATTTTA
 CCTAGAGAGATCTGTAACCGCTTACTAAATATTTTTATCCTACGGACCCAGTGGCTACAGATTAGAAC
 CGTTGATTTTGAACACTACAGCAACATTTCTCCAGTCCAGATCCACTGGTACAACACTTCAAACCTCT
 ACCTTATGAGCATATGAAGCCAAATTTCTCAACCAGCAAAAGAACCTACCTCAGTTTCAGACAGTGAG
 AACATAGCAGCTATCCCAAGCCCTGTGACCTCCCCGTCTTATCTCGGCGCCACTATGGAGAATCTATAA
 CTAACATTGGCAAAGCAAGCATATTGGGGCTGCTAGCATTGAAAGGGCCTTGGAGGAATGTTGTTCTC
 AAGATTTGGACGTTCTTCAGCATCACAGCCGCTGAGCCATCTAAAGACTCACTGGAAGATGATAAGAAG
 CTTTCAGCTTACCCTCTACCACCCTGGCAACGCAGACCCTGCCGCACAGTGGCTCCGCTTCTCG
 ACTCCGCATATTTTCAGACTTCAAGAATCGTTCTTTTATCTCCACAACCTCTTTTTCCGGAAAATGTAAT
 GCAGAGTAAAGATGATAGCCTCGTGGAACTGGAACACAGGATCGACTTTGAACTCAGAGAAGGCCTTGTG
 GAGAGCCGCTATTGGTACGCCGTACGTCGCACACTGCCTATTGGTCATCCTTGGATGTCGCTCTTTTTT
 TTTAACATTCATGTACAAAACAGCATGATACCGAGGCCAAGCCAGCCTAGTTCACT**TGA**

ACGCGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_176845
Insert Size: 2655 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).
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:	<ol style="list-style-type: none">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_176845.5 , NP_789815.3
RefSeq Size:	5099 bp
RefSeq ORF:	2655 bp
Locus ID:	114874
UniProt ID:	Q80YA3
Cytogenetics:	14 C1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 3. The encoded isoform (2) is shorter, compared to isoform 3.</p>