

Product datasheet for **MC222606**

Ddhd1 (NM_001042719) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddhd1 (NM_001042719) 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:

>MC222606 representing NM_001042719
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACTACCGGGCCGGCGCCCCACGGAGCCCGAGCGTAACGGCCCGGGCGCGGTGCCTGGGAGC
 TGGGCTCGGACGCGGGCGGGCGTGTTCGGCGGGCGGGCTGCTGCTTCGAGCACCAGCCGGGCGACAGCGT
 GCCGCTGTCGCTGCTGCGCGCCGAGCCGCTGCACCTGGCACCGGGCGCCGACGACCTGAGCCACCTGGCT
 CTGGACCCGTGCCTCAGCGACGAGACCTACGACTTCAGCTCGGCCGAGTCCGGCTCGTCTGTGCGTACT
 ACAGCGAGGGCGAGAGCGGGCGGGCGGACGCTTCTTCGCTCCGCCCGCTCGTCCGACGAACTC
 GGGGGCGGGGGCGGGGAGGGGGCCCCGGGGACAGGAAGCGCGCCCGGGCCCGGGCGCAGCCGCC
 CGGCACCCTACGAGGTGGTACGGAGCTGGGCCCGAGGAGTGCCTGTTTACAAGGAAGACAAGA
 AGACCTGGAAGCCCTTCATCGGCTACGACTCTCGGCATCGAGCTCGCCTCCGGACCCGCTGTCAGAC
 CACGGGCGCCAGGCCCGGGCGGGCCGCGATGGAGACCGGGTGTGTGCCAAAGCTCCAGCTTCGGG
 GAGGAAGACGAGGAGACAGCGCTGCGCTTCTGCCCGCGCGGGCGGGCCTGAGCCGGAGATGGAGG
 AGCTGGTGACCATCGAGCCGGTGTGCTGCGCGGGCCCTACGAGGTGGATGTCACTCAAGGAGAGTG
 CTACCCGGTGTACTGGAACCAAGCTGATAAAATACCAGTAATGCGTGGACAGTGGTTTATTGATGGGACG
 TGGCAACCTCTAGAAGAAGAAGAAAGTAATTTAATTGAGCAAGAACATCTCAGTTGTTTTAGGGGTGAGC
 AGATGCAAGAAAATTTGATATTGAAGTGTCAAATCCTTAGATGGAAAAGACGTTGTCTACCACCTCCC
 TCCCTTCCCTCCCTTCTGTCAAATGGAGAGGATAAAGGAGAGCACAGATGCCACAGGTCTTAAG
 CGAAAGCGTTCCCAAGCTGTTACAGTTTCAAGCTGAGTCGGAACCACGTGGACTGGCACAGCATGGATG
 AAGTCTATCTACAGTGACGCAACAACATCCAAAATTCGAGAACCGTTACCCAAAATGGGCTTTTC
 TAAAGCCTCCAGCAGTGGGACCAGACTGCACAGAGGTTATGTAGAAGAAGCCACACTGGAAGACAAGCCG
 TCGCAGACTTCTCATATCGTGTTTGTGTGACCGCATTGGACAGAAGATGGACCAGGAAGAATCATCA
 AAAACACAGCCATGATGAGAGAGGCTGCAAGGAAAATGGAAGAAAAGCATTTTTCCAACCATGCAACACA
 TGTTGAATTTCTGCCTGTGAATGGCGATCAAAGCTTACTCTTGATGGAGACACAGTTGATTCCATCACT
 CCTGACAAAGTGCAGGCTGAGGGACATGCTCAACAGCAGCGCATGGACATCATGACTACACCAGCC
 CACTCTACAGGGATGAGCTAGTTAAAGGCCTCAGCAAGAGCTGAATCGATTATATCCCTTTCTGTTC
 CCGGAATCCAGACTTTGAAGAGAAAAGGGGTAAAGTCTCAATAGTGTCCATTCTTGGGGTGTGAATC
 ACTTATGACATCATGATGGGCTGGAATCCAGGTGGACTCTATGAGCAGCTGCTGCAGAAGGAGGAAGAGC
 TGCCCGCAGAGCGGTGGATGAGCTATGAAGAGCGGCATCTTCTGACGAGCTCTATAACAAGCGGACG
 GCTGAGGGAAATAGAAGATCGGCTGCACGGATTGAAGGCCCATCCATATCACAACACCTGCCTTAAAA
 TTTAAGGTTGAAAATTTCTTGTATGGGATCTCCGCTAGCAGTTTTTTGGCATTACGCGGCATCCGAC
 CAGGAAATTTGGAAGTCAAGACCACATTTTACCTAGAGAGATCTGTAACCGCTTACTAAATATTTTTCA
 TCCTACGGACCCAGTGGCTACAGATTAGAACCCTTGAATTTGAAACACTACAGCAACATTTCTCCAGTC
 CAGATCCACTGGTACAACACTTCAAACCCTACCTTATGAGCATATGAAGCCAAATTTCTCAACCCAG
 CAAAAGAACCTACCTCAGTTTCAGACAGTGAGAACATAGCAGCTATCCCAAGCCCTGTGACCTCCCCGT
 CTTATCTCGGCGCCACTATGGAGAATCTATAACTAACATTGGCAAAGCAAGCATATTGGGGGTGCTAGC
 ATTTGAAAAGGGCCTTGGAGGAATGTTGTTCTCAAGATTTGGACGTTCTTACGATCACAGCCGCTGAGC
 CATCTAAAGACTCACTGGAGATGATAAGAAGCCTTACGCTTACCCTCTACCACCACCGTGGCAACGCA
 GACCCTGCCGCACAGTGGCTCCGGCTTCTCGACTCCGCATATTTAGACTTCAAGAATCGTTCTTTTAT
 CTCCACAACCTTTTTCCGAAAATGTAATGCAGAGTAAAGATGATAGCCTCGTGGAACTGGAACACA
 GGATCGACTTTGAACTCAGAGAAGGCCCTTGTGGAGAGCCGCTATTGGTACGCCGTACGTCGCACACTGC
 CTATTGGTCATCCTTGGATGTCGCTTTTTTTAACATTATGTACAACACGAGCATGATACCGAG
 GCCAAGCCAGCCTAGGTTCACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001042719
Insert Size:	2757 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:	<u>NM_001042719.2</u> , <u>NP_001036184.1</u>
RefSeq Size:	5201 bp
RefSeq ORF:	2757 bp
Locus ID:	114874
UniProt ID:	<u>Q80YA3</u>
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 (3) represents the longest transcript and encodes the longest isoform (3).</p>