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Product datasheet for MC209159

Pdha2 (NM_008811) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdha2 (NM_008811) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdha2
Synonyms:	Pdhal
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC209159 representing NM_008811
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAAATGCTGACCGCTGTGCTGTCTCACGTATTTTCGGGAATGGTCCAAAAGCCAGCTCTCAGAG
GACTGCTGTCATCTCTGAAGTTCTCCAACGACGCCACCTGTGACATTAAGAAATGTGACCTGTACCGGCT
GGAGGAGGGCCCACCGACCTCCACCGTGCTCACCCGAGCCGAGGCCCTCAAGTACTACCGGACCATGCAG
GTAATTCGGCGCATGGAGTTGAAGGCCGACCAGCTGTATAAGCAGAAATTCATCCGTGGTTTCTGTCACC
TGTGTGATGGGCAGGAAGCCTGCTGCGTGGGGCTGGAGGCAGGGATAAATCCCACGGATCACGTCATCAC
GTCCTACCGGGCTCATGGCTTCTGCTACACGCGAGGACTGTCCGTGAAGTCCATTCTCGCCGAGCTGACT
GGACGCAAAGGAGGCTGTGCTAAAGGCAAGGGAGGCTCCATGCACATGTACGGCAAGAACTTCTACGGTG
GCAATGGCATTGTTGGGGCCCAGGTACCCCTGGGAGCTGGTGTGGCTTTTGCCTGTAAATACCTGAAGAA
TGGTCAGGTCTGCTTGGCTTTGTACGGCGATGGTGCGGCTAACCAAGGGCAGGTATTCGAAGCATACAAT
ATGTCAGCCTTGTGGAAATTACCCTGTGTTTTCATCTGTGAGAATAACCTCTATGGAATGGGAACCTCCA
ACGAGAGATCAGCAGCCAGTACTGATTACCACAAGAAAGGTTTTATTATCCCCGGACTGAGGGTGAATGG
GATGGATATTCTCTGTGTTCGGGAGGCAACCAAGTTTGCAGCTGATCACTGCAGATCTGGAAAGGGGCCC
ATTGTGATGGAGCTGCAGACCTACCGTTATCATGGACACAGTATGAGCGACCCAGGGATCAGTTATCGTT
CACGAGAAGAAGTTCATAACGTGAGAAGTAAGAGTGATCCTATAATGCTGCTCCGAGAGAGAATTATCAG
CAACAACCTCAGCAATATTGAAGAATTGAAAGAAATTGATGCAGATGTGAAGAAAGAGGTGGAGGACGCA
GCTCAGTTTGCTACGACTGATCCAGAACCAGCTGTGGAAGATATAGCCAATTACCTCTACCACCAAGATC
CACCTTTTGAAGTCCGTGGTGCACATAAGTGGCTCAAGTATAAGTCCCACAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_008811
Insert Size:	1176 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:	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_008811.2, NP_032837.1
RefSeq Size:	2352 bp
RefSeq ORF:	1176 bp
Locus ID:	18598
UniProt ID:	P35487
Cytogenetics:	3 H1
Gene Summary:	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links the glycolytic pathway to the tricarboxylic cycle. [UniProtKB/Swiss-Prot Function]

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