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Product datasheet for MR206079

Pdha1 (NM_008810) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdha1 (NM_008810) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdha1
Synonyms:	Pdha-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206079 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAGATGCTTGCCGCTGTATCCCGCGTGTTGGCAGGCTCTGCGCAGAAGCCGGCAAGCCGAGTGC
TGGTTGCTTCCCGTAATTTTGCAAATGATGCTACATTTGAGATTAAGAAATGTGACCTTCATCGGCTAGA
AGAGGGCCCCCCAGTCACCACAGTGCTCACCAGAGAGGATGGGCTCAAGTACTACAGGATGATGCAGACT
GTGCGCCGGATGGAGCTAAAGGCGGATCAGCTGTATAAGCAGAAAATCATTCGTGGTTTCTGTCACTTGT
GTGATGGTCAGGAAGCCTGCTGCGTGGGCCTGGAGGCTGGCATAAACCCTACGGACCACCTCATCACTGC
CTATCGAGCACATGGCTTCACCTTCACTCGGGGCCTGCCTGTGCGAGCAATTCTTGCAGAGCTAACAGGA
CGAAGAGGAGGTTGTGCTAAAGGGAAAGGCGGGTCAATGCACATGTACGCCAAGAACTTCTATGGAGGCA
ACGGCATCGTTGGAGCTCAGGTGCCCCTGGGAGCAGGAATTGCCCTGGCCTGCAAGTACAATGGAAAAGA
TGAGGTCTGTTTGACATTATACGGCGATGGTGCTGCTAATCAGGGTCAGATCTTTGAAGCTTACAATATG
GCAGCACTGTGGAAATTACCTTGCATTTTTATCTGTGAGAACAACCGCTATGGCATGGGGACGTCTGTTG
AGAGAGCAGCAGCCAGCACGGACTACTACAAAAGAGGAGATTTTATTCCTGGACTCAGGGTAGATGGAAT
GGATATCTTGTGCGTCCGAGAGGCAACAAAGTTTGCGGCTGCCTATTGCAGGTCTGGTAAGGGGCCCATC
CTGATGGAGCTCCAGACTTACCGCTACCATGGACACAGCATGAGTGACCCTGGAGTAAGCTACCGCACTC
GAGAAGAAATCCAGGAAGTAAGAAGTAAGAGTGACCCTATTATGCTTCTCAAGGATAGAATGGTGAACAG
CAATCTTGCAAGTGTTGAAGAATTAAAGGAGATTGATGTGGAAGTGAGGAAAGAAATCGAGGATGCTGCC
CAGTTTGCCACGGCTGATCCTGAGCCCCCGTTGGAGGAACTAGGCTATCACATCTACAGCAGTGATCCTC
CCTTTGAAGTGCGTGGTGCCAACCAGTGGATCAAGTTTAAGTCAGTCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

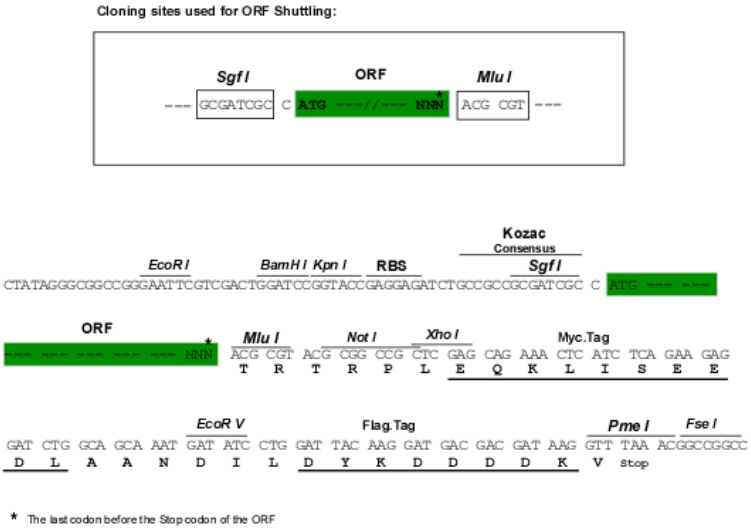
>MR206079 protein sequence
Red=Cloning site Green=Tags(s)

MRKMLAAVSRVLAGSAQKPASRVLVASRNFANDATFEIKKCDLHRLEEGPPVTTVLTREDGLKYYRMMQT
VRRMELKADQLYKQKIIRGFCHLCDGQEACCVGLEAGINPTDHLITAYRAHGFTFTRGLPVRAILAELTG
RRGGCAKGKGGSMHMYAKNFYGGNGIVGAQVPLGAGIALACKYNGKDEVCLTLYGDGAANQGQIFEAYNM
AALWKLPCIFICENNRYGMGTSVERAAASTDYYKRGDFIPGLRVDGMDILCVREATKFAAAYCRSGKGPI
LMELQTYRYHGHSMSDPGVSYRTREEIQEVRSKSDPIMLLKDRMVNSNLASVEELKEIDVEVRKEIEDAA
QFATADPEPPLEELGYHIYSSDPPFEVRGANQWIKFKSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008810

ORF Size: 1173 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).

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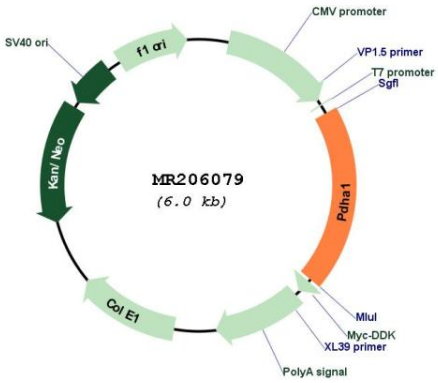
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_008810.3
RefSeq Size:	2778 bp
RefSeq ORF:	1173 bp
Locus ID:	18597
UniProt ID:	P35486
Cytogenetics:	X 73.95 cM
MW:	43.2 kDa
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]

Product images:



Circular map for MR206079

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