

Product datasheet for **MR205484**

Pdhh (NM_024221) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdhh (NM_024221) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdhh
Synonyms:	2610103L06Rik; AL024199; C81408
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205484 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGTGGCTGGTCTGGTGCAGGGACCTTGCAGGAGCTTCCGGGCTGCTGAAGAGGCGTTTTTC
ACCGCTCGGCGCCCGCAGCGGTGACAGTTGACAGTTGCTGAAGCTATTAATCAAGGTATGGATGAAGAACT
AGAAAGAGATGAAAAAGTTTTCTGCTTGGGAAGAAGTTGCCAGTATGACGGTGCATACAAGGTAGC
AGAGGCCGTGGAAGAAATACGGTGACAAGAGGATCATCGACACCCCATCTCAGAGATGGGCTTTGCTG
GAATTGCTGTTGGTGCAGCTATGGCTGGGTTGCGGCCTATCTGTGAATTTATGACCTTCAATTTCTCTAT
GCAAGCTATTGACCAGGTTATAAAGTCAAGCTGCTGCAAGACTTACTATATGTCGCTGGCCTTCAGCCTGTG
CCCATAGTATTACGGGGGCCAATGGTGCCTCAGCAGGTGTAGCTGCTCAGCACTCGCAATGCTTTGCTG
CATGGTATGGGCACTGCCAGGTTAAAAGTGGTCAAGCCCTGGAATTCGAGGATGCAAAAAGGACTTAT
TAAATCGGCCATTCGTGATAATAACCCAGTGGTAAATGCTAGAAAAATGAACTGATGTATGGAGTTGCATTT
GAACTTCTGCAGAAGCTCAGTCAAAAGATTTCTGATTCCTATTGAAAAAGCCAAAATTGAAAGGCAAG
GGACCCACATCACTGTAGTTGCCATTCAGACAGTGGCCACTGCCTAGAAGCTGCAGCTGTATTGTC
TAAGGAGGGAATTGAATGTGAGGTAATAAATCTGCGCACCATCAGACCAATGGACATCGAAGCCATAGAA
GCCAGTGTGATGAAGACAACCATCTCGTACTGTGGAAGGAGGCTGGCCACAATTTGGAGTAGGAGCTG
AGATTTGTGCCAGAATTATGGAAGGCCCTGCATTCAACTTCTTGTATGCCCTGCCGTGCGTGTACTGG
TGCTGATGCCCTATGCCTACGCAAAGTCTAGAAAGACAACCTCCGTACCTCAGGTCAAAGACATCATA
TTTGACAGTAAAGAAGACTCTGAACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205484 protein sequence
Red=Cloning site Green=Tags(s)

MAVVAGLVRGPLRQASGLLKRRFHRSAPAAVQLTVREAINQGMDEELERDEKVFLLGEEVAQYDGAYKVS
 RGLWKKYGDKRIIDTPISEMGFAGIAVGAAMAGLRPICEFMTFNFSMQAIDQVINSAAKTYMSAGLQPV
 PIVFRGPNASAGVAAQHSQCFAAWYGHCPGLKVVSPWNSADAKGLIKSAIRDNNPVVMLENELMYGVAF
 ELPAEAQSKDFLIPIGKAKIERQGTHTITVVAHSRPVGHCLAAAVLSKEGIECEVINLRTIRPMDIEAIE
 ASYMKTNHLVTVEGGWPQFGVGAEICARIMEGPAFNFLDAPAVRVTGADVMPMPYAKVLEDNSVPQVKDII
 FAVKKTLLNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024221

ORF Size: 1080 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).

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_024221.1](#), [NM_024221.2](#), [NM_024221.3](#), [NP_077183.1](#)

RefSeq Size: 1485 bp

RefSeq ORF: 1080 bp

Locus ID: 68263

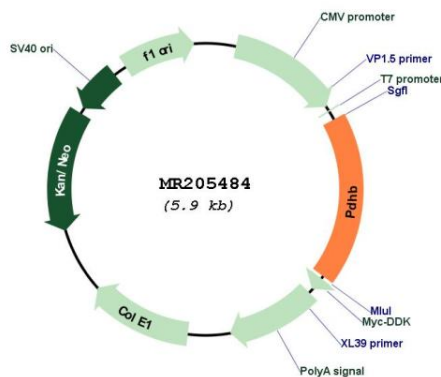
UniProt ID: [Q9D051](#)

Cytogenetics: 14 A1

MW: 38.9 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 MR205484