

Product datasheet for **MG205484**

Pdhh (BC019512) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdhh (BC019512) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdhh
Synonyms:	2610103L06Rik; AL024199; C81408
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205484 representing BC019512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGTGGCTGGTCTGGTGCAGGGACCTTGCAGGAGCTTCCGGCTGCTGAAGAGGCGTTTTTC
ACCGCTCGGCGCCCGCAGCGGTGACAGTTGACAGTTGCTGAAGCTATTAATCAAGGTATGGATGAAGAACT
AGAAAGAGATGAAAAGTTTTCTGCTTGGGAAGAAGTTGCCAGATGACGGTGCATACAAGGTTAGC
AGAGGCCGTGGAAGAAATACGGTGACAAGAGGATCATCGACACCCCATCTCAGAGATGGGCTTTGCTG
GAATTGCTGTTGGTGCAGCTATGGCTGGTTGCGGCCTATCTGTGAATTTATGACCTTCAATTTCTCTAT
GCAAGCTATTGACCAGGTTATAAAGTCAAGCTTACTATATGTCGCTGGCCTTCAGCCTGTG
CCCATAGTATTACGGGGGCCAATGGTGCCTCAGCAGGTGTAGCTGCTCAGCACTCGCAATGCTTTGCTG
CATGGTATGGGCACTGCCAGGTTAAAAGTGGTCAAGCCCTGGAATTCGAGGATGCAAAAGGACTTAT
TAAATCGGCCATTCGTGATAATAACCCAGTGGTAAATGCTAGAAAAATGAACTGATGTATGGAGTTGCATTT
GAACTTCTGCAGAAGCTCAGTCAAAGATTTCTGATTCCTATTGAAAAAGCCAAAATTGAAAGGCAAG
GGACCCACATCACTGTAGTTGCCATTCAGACAGTGGCCACTGCCTAGAAGCTGCAGCTGTATTGTC
TAAGGAGGGAATTGAATGTGAGGTAATAAATCTGCGCACCATCAGACCAATGGACATCGAAGCCATAGAA
GCCAGTGTGATGAAGACAACCATCTCGTACTGTGGAAGGAGGCTGGCCACAATTTGGAGTAGGAGCTG
AGATTTGTGCCAGAATTATGGAAGGCCCTGCATCAACTTCTTGTATGCCCTGCCGTGCGTGTACTGG
TGCTGATGCCCTATGCCTACGCAAAGTCTAGAAAGCAACTCCGTACCTCAGGTCAAAGACATCATA
TTTGACAGTAAAGAAGACTCTGAACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205484 representing BC019512
 Red=Cloning site Green=Tags(s)

MAVVAGLVRGPLRQASGLLKRRFHRSAPAAVQLTVREAINQGMDEELERDEKVFLLGEEVAQYDGAYKVS
 RGLWKKYGDKRIIDTPISEMGFAGIAVGAAMAGLRPICEFMTFNFNMQAIDQVINSAAKTYMSAGLQPV
 PIVFRGPNASAGVAAQHSQCFAAWYGHCPGLKVVSPWNSDAGLIKSAIRDNNPVVLENELMYGVAF
 ELPAEAQSKDFLIPIGKAKIERQGTHTITVVAHSRPVGHCLEAAAVLSKEGIECEVINLRTIRPMDIEAIE
 ASYMKTNHLVTVEGGWPQFGVGAEICARIMEGPAFNFLDAPAVRVTGADVMPYAKVLEDNSVPQVKDII
 FAVKKTLLNI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC019512

ORF Size: 1079 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: [BC019512](#), [AAH19512](#)

RefSeq Size: 1467 bp

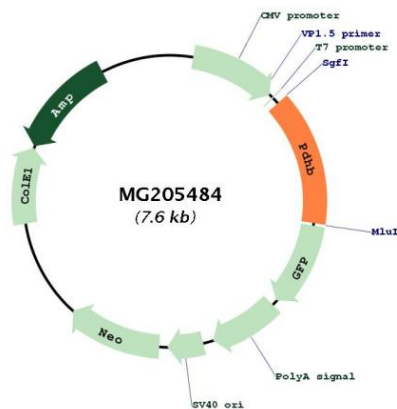
RefSeq ORF: 1079 bp

Locus ID: 68263

Cytogenetics: 14 A1

Gene Summary: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links the glycolytic pathway to the tricarboxylic cycle. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205484