

Product datasheet for **RN204827**

Pdhb (NM_001007620) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdhb (NM_001007620) Rat Untagged Clone
Tag: Tag Free
Symbol: Pdhb
Synonyms: MGC94149
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204827 representing NM_001007620
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCGGTGGCTGGTCTGGTGC GGGGACCTTTGCGGCAGGCTTCGGGCTGCTGAAGAGCGTTTCC
ACCGCTCGGCGCCGCGCGGTGACGTTGACAGTTCGTGAAGCCATTAATCAAGGTATGGATGAAGAACT
AGAAAGAGATGAAAGGTTTTCTGCTTGGGAAGAAGTTGCCAGTATGATGGTGCATACAAGGTAGC
AGAGGCCCTGTGGAAGAAATATGGTGACAAGAGGATCATAGATACTCCCATATCGGAGATGGCTTTGCTG
GAATTGCTGTTGGTGCAGCTATGGCTGGCTGCGGCCATCTGTGAATTTATGACCTCAATTTCTCTAT
GCAAGCTATTGACCAGGTCATAAATCAGCTGCCAAGACGTAATAATGCTGCTGGCCTCCAGCCGGTG
CCCATAGTGTTACAGGGGCCCCAAGCGGCCCTCAGCGGGCGTGGCTGCTCAGCACTCGCAATGCTTCGCTG
CGTGGTATGGGCACTGCCCGGTTTAAAGTGGTCAAGCCCTGGAATCCGAGGATGCGAAAGGACTTAT
TAAATCGGCCATTCGTGATGATAATCCAGTGGTATGCTAGAGAATGAACTGATGATGGAGTTGCATTT
GAACTTCCCACAGAAGCTCAATCAAAAGATTTCTGATTCCTATTGAAAAGCCAAAATGAAAGGCAAG
GGACCCACATCACTGTAGTTGCCATTCAGACCAGTGGCCACTGCCTAGAAGCTGCAGCTGTATTGTC
TAAGGAGGAATTGAATGTGAGGTAATAAATCTGCGGACCATCAGACCAATGGACATTGAAGCTATAGAA
GCCAGTGTGATGAAGACAAATCATCTCGTAACTGTGGAAGGAGGCTGGCCACAATTTGGAGTAGGAGCTG
AGATTTGTGCGAGAATTATGGAAGGCCCTGCATTCAACTTCCTTGATGCGCCTGCTGTTGAGTCACTGG
TGCTGATGTCCCTATGCCTACGCAAAGATTCTAGAAGACAACTCCATACCTCAGGTCAAAGACATCATA
TTTGCAATAAAGAAGACTTTGAATATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007620



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Insert Size:	1080 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_001007620.1</u> , <u>NP_001007621.1</u>
RefSeq Size:	1816 bp
RefSeq ORF:	1080 bp
Locus ID:	289950
UniProt ID:	<u>P49432</u>
Cytogenetics:	15p14
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]