

Product datasheet for RN210845

Pdha1 (NM_001004072) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pdha1 (NM_001004072) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Pdha1
 Synonyms: MGC94854; MGC114215
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN210845 representing NM_001004072
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGAAGATGCTTGCCGCTGTGTCCCGCTGTTGGCAGGCGCTGCGCAGAAGCCGGCAAGCAGAGTGC
 TGGTAGCTTCCCCTAATTCGCAATGATGCTACATTTGAGATTAAGAAATGTGACCTTCATCGTCTAGA
 AGAGGGCCCTCCAGTACCACAGTGTCTACCAGAGAGGATGGGCTCAAGTACTACAGGATGATGCAGACC
 GTGCGCCGGATGGAGCTCAAGGCGGATCAGCTGTATAAGCAGAAAATTATTCGTGGTTTCTGTCACCTGT
 GTGATGGTCAGGAAGCCTGCTGTGTGGCCTGGAGGCTGGCATAAACCCACGGACCATCTCATCTACTGC
 CTATCGAGCCCATGGCTTCACTTCACTCGGGCCTGCCTGTCCGAGCAATTCTTGCAAGATTAACAGGA
 CGAAGAGGAGGCTGTGCTAAGGGGAAAGGCGGATCAATGCACATGTACGCCAAGAATTCTATGGCGGCA
 ACGGTATCGTTGGAGCTCAGGTGCCCTGGGTGCAGGAATTGCTCTGGCCTGCAAGTATAATGGCAAAGA
 TGAGGTCTGTTTGACATTATGGTGATGGTGTGCTAACCAGGGTCAGATATTTGAAGCTTACAATATG
 GCAGCATTGTGGAATTACCTTGTATTTTCATCTGTGAGAATAACCGCTATGGCATGGGCACATCTGTTG
 AGAGAGCAGCAGCCAGCAGGATTACTACAAAAGAGGAGATTTTCATTCTGGACTGAGGGTAGATGGAAT
 GGATATCTTGTGTCCGAGAGGCAACAAAGTTTGCAGCTGCCTACTGCAGGTCTGGTAAGGGCCCTATC
 CTGATGGAGCTACAGACTTACCGCTACCATGGACATAGTATGAGTGACCTGGAGTCAGTTATCGCACTC
 GAGAAGAAATCCAGGAAGTAAGAAGTAAGAGTGACCCTATTATGCTTCTCAAGGATAGAATGGTGAACAG
 CAATCTTGCAAGTGTGAAGAAATAAGGAGATTGATGTGGAAGTGAGGAAAGAAATCGAGGATGCTGCC
 CAGTTTGCACGGCTGATCCGGAGCCGCCATTGGAGGAGCTAGGCTATCATATCTACAGCAGTGACCCAC
 CCTTCAAGTGCCTGGTCCCAACCAGTGGATCAAGTTAAGTCAGTCAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001004072
Insert Size:	1173 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_001004072.2, NP_001004072.2</u>
RefSeq Size:	2839 bp
RefSeq ORF:	1173 bp
Locus ID:	29554
Cytogenetics:	Xq14
Gene Summary:	catalyzes the interconversion of pyruvate and lipoamide to S-acetyldihydrolipoamide and CO2 [RGD, Feb 2006]