

Product datasheet for **MC216992**

Pdhx (NM_175094) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdhx (NM_175094) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdhx
Synonyms:	A1481367; E3bp; Pdx1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216992 representing NM_175094
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTCCTGGAGGCTTCACTGTAACAGCCGCTGCTTCGGTACCTTCTGGGATTTAGCAGCCGTC
 GAAGCCTGGGACTGGCTCAGGGTCTGCTGCTTGGCCTGTCGACCGTGGAGCAAGTTGGAGGTGGTTTCA
 CAGTACTCAGCTGCTGCAGGCGGATCCTATTAAGGTCCTAATGCCATCACTGTCTCCTACGATGGAGCAA
 GGAACATTGTGAAATGGCTGAGAAAGGAAGGTGAAGCTGTGAGTCTGGAGACTCGTTATGTGAAATTG
 AGACGGACAAGGCTGTGGTACCTTAGATGCAAACGATGATGGCATCTTAGCCAAGATAGTGGTTGAGGA
 AGGTGCTAAAAATACAGCTGGGTTCACTCATTGCTTTGATGGTTGAAGAAGGGGAAGATTGGAACAG
 GTGAAATTTCCAAGGATGTCAGTGTCCACCTCCAGTCTCAAACCACAGCTCCTACTCAGCCCTCTC
 CACAGCCGAGATTCTTGTCCCAGGAGGAGCACAAGGGACGGCACGGTTCGGCTTAAGTCCAGC
 TGCCCGCAACATTCTGAAAAACATTTCATTGGACGCCAGCCAGGGCACAGCCACAGGCCCTCGCGGGATC
 TCACTAAAGAAGATGCACTCAAGTTAGTCGAGCTGAAACAGATGGGCAAGATTACTGAATCCAGACCAG
 CCTCAGCTCCTCCACCCTCTCTCAGCATCTGTGCCTCCTCAGGCTACAGCCGGGCCATCCTATCCTCG
 GCCAATGACCCCAACAGTATCCATTCTGGGCAACCGAATGCAGCGGGTACATTCACCGAAATTCCTGCT
 AGCAATATTCGAAGATTATCGCTAAGAGGTTAACTGAATCAAAAAGTACTGTGCCTCATGCCTATGCTA
 CTGCTGACTGTGACCTTGGCGCAGTTCTAAAGGTTAGACGAGATCTGGTCAAAGATGACATTAAGTCTC
 AGTAAATGACTTTATCATCAGAGCAGCAGCTGTTACTCTTAAACAATGCCTGGGGTTAATGTCACTGG
 GATGGAGAAGGCCCAAAGCAGCTGCCCTCTGTTGACATTCAGTGGCTGTGGCAACAGATAAAGGTTTAA
 TTACACCAATCATAAAAGATGCAGCCGCTAAGGGCATTACAGGAGATCGTACTGTAAAGGTTCTGTC
 GAAGAAAAGCACGGGATGGGAAATTGATGCCAGAGGAGTACCAAGGAGGATCTTTTAGTATTCCAATTG
 GGGATGTTTGGCATCGATGAGTTCGCTGCAAGTATTAACCCGCCTCAGGCTGTATCTTGGCCGTTGGGA
 GATTCCGCCCGTCTGAAGCTGACGGAGGATGAAGAGGGGAACCCTCAACTGCAGCAGCACCAGCTTAT
 AACGGTACAATGTCAAGTACAGCCGAGTGGTTGATGATGAACTAGCTACCAGGTTTCTTGAACTTTT
 AAAGCAAACCTAGAGAATCCCATGCGACTTGGG**TAG**

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_175094

Insert Size: 1506 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:

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_175094.5](#), [NP_780303.1](#)

RefSeq Size: 2527 bp

RefSeq ORF: 1506 bp

Locus ID: 27402

UniProt ID: [Q8BKZ9](#)

Cytogenetics: 2 E2

Gene Summary: Required for anchoring dihydrolipoamide dehydrogenase (E3) to the dihydrolipoamide transacetylase (E2) core of the pyruvate dehydrogenase complexes of eukaryotes. This specific binding is essential for a functional PDH complex (By similarity).[UniProtKB/Swiss-Prot Function]