

## Product datasheet for **SC205680**

### PDHB (NM\_000925) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PDHB (NM\_000925) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PDHB  
**Synonyms:** PDHBD; PDHE1-B; PDHE1B; PHE1B  
**ACCN:** NM\_000925  
**Insert Size:** 434 bp  
**Insert Sequence:** >SC205680 3'UTR clone of NM\_000925  
The sequence shown below is from the reference sequence of NM\_000925. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTGCAATAAAGAAAACATTAATATTAGTTTGGACTTGAATATCAAGTCGTTGAAATTTATTTGAAA
TACTTGCTGGCACTGCACCTGGATTTGACTGCAAGACCTGACTATTCATAACGGAAAACGATTTCTAA
AGCAACAGCAGGTATTTTTGTACAGGGAAGTTTAAATGTGTTTGTGTATGGAAAACCTCCTACTCTCT
CCCCTAGATGCCATGCTTCTTTTGTCTGTTACGGTTGCCATGTTCTTTGAATAACAAATTATATAACA
TTTTATCTCTCTCACCACAAGGACAAAGTATGGATGTGGCAGAGTCCTCATGAAAGATGTATCCAAC
AAGATACTTATATGTATAAAATTAAGCATATAATATACATTTACTGTTAGTTTGTGTTTGAAGGAA
TAAAGGAATTTCTAACATGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000925.4](#)



[View online »](#)

**Summary:** The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and carbon dioxide, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 beta subunit. Mutations in this gene are associated with pyruvate dehydrogenase E1-beta deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2012]

**Locus ID:** 5162

**MW:** 17