

## Recombinant Human PDHB, GST-tagged

Cat. No. PDHB-1614H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human PDHB protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| Species          | Human                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                            |
| ProteinLength    | 1-359aa                                                                                                                                                           |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PDHB pyruvate dehydrogenase (lipoamide) beta [ Homo sapiens ]                                                                                                                                      |
| Official Symbol | PDHB                                                                                                                                                                                               |
| Synonyms        | PDHB; pyruvate dehydrogenase (lipoamide) beta; pyruvate dehydrogenase E1 component subunit beta, mitochondrial; pyruvate dehydrogenase, E1 beta polypeptide; PDHBD; PHE1B; PDHE1-B; DKFZp564K0164; |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 5162                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_000925                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_000916                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 179060                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | P11177                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 3p21.1-p14.2                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Pathway</b>             | Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Glycolysis and Gluconeogenesis, organism-specific biosystem; |
| <b>Function</b>            | oxidoreductase activity; pyruvate dehydrogenase (acetyl-transferring) activity;                                                                                                                                                                                                                                                                                                  |