

## Recombinant Human PC, GST-tagged

**Cat. No.** PC-1545H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PC protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                            |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 828-1178aa                                                                                                                                                        |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 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

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PC pyruvate carboxylase [ Homo sapiens ]                                                 |
| <b>Official Symbol</b> | PC                                                                                       |
| <b>Synonyms</b>        | PC; pyruvate carboxylase; pyruvate carboxylase, mitochondrial; PCB; pyruvic carboxylase; |
| <b>Gene ID</b>         | 5091                                                                                     |

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| <b>mRNA Refseq</b>         | NM_000920                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_000911                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 608786                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | P11498                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 11q13.4-q13.5                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Alanine and aspartate metabolism, organism-specific biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis and Gluconeogenesis, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; biotin binding; biotin carboxylase activity; carboxylic acid binding; ligase activity; metal ion binding; nucleotide binding; pyruvate carboxylase activity;                                                                                                                                                                                                                |