# Recombinant Escherichia coli PPC Protein (5-883 aa), His-tagged

**Cat. No.** PPC-1310E **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Escherichia coli (strain K12) PPC Protein (5-883 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial. |
| **Species** | E.coli |
| **Source** | E.coli |
| **ProteinLength** | 5-883 aa |
| **Description** | Forms oxaloacetate, a four-carbon dicarboxylic acid source for the tricarboxylic acid cycle. |
| **Form** | Tris-based buffer,50% glycerol |
| **Molecular Mass** | 102.6 kDa |
| **AA Sequence** | YSALRSNVSMLGKVLGETIKDALGEHILERVETIRKLSKSSRAGNDANRQELLTTLQN LSNDELLPVARAFSQFLNLANTAEQYHSISPKGEAASNPEVIARTLRKLKNQPELSED TIKKAVESLSLELVLTAHPTEITRRTLIHKMVEVNACLKQLDNKDIADYEHNQLMRRLR QLIAQSWHTDEIRKLRPSPVDEAKWGFAVVENSLWQGVPNYLRELNEQLEENLGYK LPVEFVPVRFTSWMGGDRDGNPNVTADITRHVLLLSRWKATDLFLKDIQVLVSELSM VEATPELLALVGEEGAAEPYRYLMKNLRSRLMATQAWLEARLKGEELPKPEGLLTQ NEELWEPLYACYQSLQACGMGIIANGDLLDTLRRVKCFGVPLVRIDIRQESTRHTEAL |

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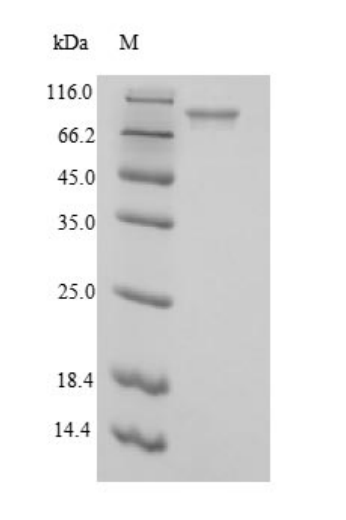
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| | GELTRYLGIGDYESWSEADKQAFLIRELNSKRPLLPRNWQPSAETREVLDTCQVIAE APQGSIAAYVISMAKTPSDVLAVHLLLKEAGIGFAMPVAPLFETLDDLNNANDVMTQL LNIDWYRGLIQGKQMVMIGYSDSAKDAGVMAASWAQYQAQDALIKTCEKAGIELTLF HGRGGSIGRGGAPAHAALLSQPPGSLKGGLRVTEQGEMIRFKYGLPEITVSSLSLYT GAILEANLLPPPEPKESWRRIMDELSVISCDVYRGYVRENKDFVPYFRSATPEQELG KLPLGSRPAKRRPTGGVESLRAIPWIFAWTQNRLMLPAWLGAGTALQKVVEDGKQS ELEAMCRDWPFFSTRLGMLEMVFAKADLWLAEYYDQRLVDKALWPLGKELRNLQE EDIKVVLAIANDSHLMADLPWIAESIQLRNIYTDPLNVLQAELLHRSRQAEKEGQEPD PRVEQALMVTIAGIAAGMRNTG |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| **Concentration** | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information. |

## GENE INFORMATION

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| **Gene Name** | ppc phosphoenolpyruvate carboxylase [ Escherichia coli str. K-12 substr. MG1655 ] |
| **Official Symbol** | PPC |
| **Synonyms** | asp; ECK3947; glu; |

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| **Gene ID** | 948457 |
| **Protein Refseq** | NP_418391 |
| **UniProt ID** | P00864 |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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