

## Pyruvate, phosphate dikinase (PPDK) Recombinant Protein | PPDK recombinant protein

Recombinant Entamoeba histolytica Pyruvate, phosphate dikinase (PPDK), partial

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA114414</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

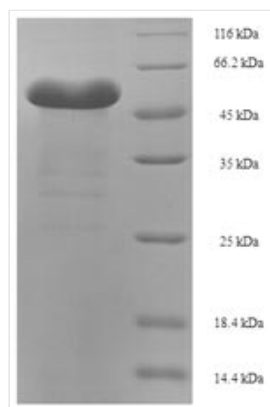
### PRODUCT SYNONYMS

Pyruvate; phosphate dikinase (PPDK); Recombinant Entamoeba histolytica Pyruvate; partial; orthophosphate dikinase; PPDK recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Positions      | 1-342aa; Partial (what we produce is the old version:<br><a href="https://rest.uniprot.org/unisave/P37213?format=txt&amp;versions=125">https://rest.uniprot.org/unisave/P37213?format=txt&amp;versions=125</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | MQRVYAFEDG DGTNKKLLGG KGAGLCTMTK IGLPVPQGFV ITTEMCKQFI ANGKMPPEGL MEEVKKEYQL<br>VEKKSQKVFV GEENPLLVSV RSGAAMSMPG MMDTILNLGL NDKTVVALAK LTNNERFAYD SYRRFVSLFG<br>KIALNACDEV YDKTLENKKV EKGVKLDTEL DANDMKELAQ VFIKTEEFT KQPFVDPYA QLEFAICAVF<br>RSWMGKRAVD YRREFKITPE QADGTAVSVV SMVYGNMGND SATGVCFTDR PGTGENMFFG EYLKNAQGED<br>VVAGIRTPQI ISKMAEDRDL PGCYEQLLDI RKKLEGYFHE VQDFEFTIER KKLYMLQTRN GK                                                                                                                                                                                                                                                                                                                                                                                      |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PPK recombinant protein | Catalyzes the reversible phosphorylation of pyruvate and phosphate. In E. histolytica and C. symbiosus, PPK functions in the direction of ATP synthesis.                                                                                                                                                                                     |
| References                                              | Primary structure of the pyruvate phosphate dikinase in Entamoeba histolytica.Bruchhaus I., Tannich E.Mol. Biochem. Parasitol. 62:153-156(1993) Partial nucleotide sequence of the enzyme pyruvate, orthophosphate dikinase of Entamoeba histolytica HM1:IMSS.Saavedra-Lira E., Robinson O., Perez-Montfort R.Arch. Med. Res. 23:39-40(1992) |

NCBI AND UNIPROT INFORMATION

|                         |                              |
|-------------------------|------------------------------|
| NCBI GI #               | 585708                       |
| UniProt Accession #     | P37213                       |
| Molecular Weight        | 54.4 kDa                     |
| NCBI Official Full Name | Pyruvate, phosphate dikinase |
| UniProt Protein Name    | Pyruvate, phosphate dikinase |
| UniProt Gene Name       | PPDK                         |
| UniProt Entry Name      | PPDK_ENTHI                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ppdk-recombinant-protein-e-coli/114414>