

# Phosphoenolpyruvate carboxylase kinase 1 (PPCK1), Recombinant Protein

Cat RP04630

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Phosphoenolpyruvate carboxylase kinase 1 (PPCK1)

## Product Gene Name

PPCK1 recombinant protein

## Product Synonym Gene Name

PPCK1

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MTCSQTLGNN NTNKYQICEE IGRGRFGTVS RVYAPATGDF FACKTIDKAS LSDDLDRACL DNEPKLMALL  
SYHPNIVQIH DLIDTDSTLS IFMELVHPSV SIYDRLVSSG TFFEPQTASF AKQILQALSH CHRYGVVHRD  
IKPENILVDL RNDTVKICDF GSGIWLGEGE TTEGVVGTPY YVAPEVLMGY SYGEKVDLWS AGVVLYTMLA  
GTPPFYGETA EEIFEAVLRG NLRFP TKIFR GVSSMAKDFL RKCLICKDASR RFSAEQALRH PWIQRAGETE ERFI

## Sequence Positions

1-284, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

31,829 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Phosphoenolpyruvate carboxylase kinase

## NCBI Accession #

NP\_172341.1

## NCBI GI #

15223870

## NCBI GenBank Nucleotide #

NM\_100738.3

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Cat      *RP04630*

Size      0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI GeneID

837387

## NCBI Official Full Name

phosphoenolpyruvate carboxylase kinase 1

## NCBI Official Symbol

PPCK1

## NCBI Official Synonym Symbols

ATPPCK1; PHOSPHOENOLPYRUVATE CARBOXYLASE KINASE; phosphoenolpyruvate carboxylase kinase 1; PHOSPHOENOLPYRUVATE CARBOXYLASE KINASE 1

## NCBI Protein Information

phosphoenolpyruvate carboxylase kinase 1

## NCBI Summary

Encodes a phosphoenolpyruvate carboxylase kinase that is expressed at highest levels in leaves. Expression is induced by light.

## UniProt Gene Name

PPCK1

## UniProt Synonym Gene Names

AtPPCK1

## UniProt Protein Name

Phosphoenolpyruvate carboxylase kinase 1

## UniProt Primary Accession #

Q9SPK4

## UniProt Secondary Accession #

Q9FRS0

## UniProt Related Accession #

Q9SPK4

## UniProt Comments

Calcium-independent kinase involved in light-dependent phosphoenolpyruvate carboxylase phosphorylation.

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