

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

Species mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
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 NLRFPTKIFR GVSSMAKDFL RKLIKCDASR 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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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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