

Phosphoenolpyruvate carboxylase 2 (PPC2), Recombinant Protein

Cat RP01016

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Phosphoenolpyruvate carboxylase 2 (PPC2) , partial

Product Gene Name

PPC2 recombinant protein

Product Synonym Gene Name

PPC2

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

109,753 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

NCBI Accession

NP_001324501.1

NCBI GI

1063706610

NCBI GenBank Nucleotide

NM_001336987.1

NCBI GeneID

818860

NCBI Official Full Name

phosphoenolpyruvate carboxylase 2

NCBI Official Symbol

PPC2

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Phosphoenolpyruvate carboxylase 2 (PPC2), Recombinant Protein

Cat *RP01016*

ATPPC2; F14N22.13; F14N22_13; phosphoenolpyruvate carboxylase 2

NCBI Protein Information

phosphoenolpyruvate carboxylase 2

NCBI Summary

Encodes one of four Arabidopsis phosphoenolpyruvate carboxylase proteins.

UniProt Gene Name

PPC2

UniProt Synonym Gene Names

AtPPC2; PEPC 2; PEPCase 2

UniProt Protein Name

Phosphoenolpyruvate carboxylase 2

UniProt Primary Accession

Q5GM68

UniProt Secondary Accession

Q8GVE9; Q9SIN0

UniProt Related Accession

Q5GM68

UniProt Comments

Through the carboxylation of phosphoenolpyruvate (PEP) it forms oxaloacetate, a four-carbon dicarboxylic acid source for the tricarboxylic acid cycle.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY