

# Phosphoenolpyruvate carboxylase 1 (PEP1), Recombinant Protein

Cat *RP10424*

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## Species

Zea mays (Maize)

## Full Product Name

Recombinant Zea mays Phosphoenolpyruvate carboxylase 1 (PEP1), partial

## Product Gene Name

PEP1 recombinant protein

## 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

109,297 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

Acid protease

## NCBI Accession #

P04711.2

## NCBI GI #

115608

## NCBI Official Full Name

Phosphoenolpyruvate carboxylase 1

## UniProt Gene Name

PEP1

## UniProt Synonym Gene Names

PPC; PEPC 1; PEPCase 1

## UniProt Protein Name

Phosphoenolpyruvate carboxylase 1

## UniProt Primary Accession #

P04711

## UniProt Comments

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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

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