

# Phosphoenolpyruvate carboxylase 2 (PEP4), Recombinant Protein

Cat *RP10441*

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## Species

Zea mays (Maize)

## Full Product Name

Recombinant Zea mays Phosphoenolpyruvate carboxylase 2 (PEP4), partial

## Product Gene Name

PEP4 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

109,999 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

Saccharopepsin

## NCBI Accession #

NP\_001105438.1

## NCBI GI #

162458345

## NCBI GenBank Nucleotide #

NM\_001111968.1

## NCBI GeneID

542393

## NCBI Official Full Name

phosphoenolpyruvate carboxylase 2

## NCBI Official Symbol

pep4

## NCBI Official Synonym Symbols

pep; GRMZM2G473001

## NCBI Protein Information

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Phosphoenolpyruvate carboxylase 2 (PEP4), Recombinant Protein

Cat *RP10441*

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phosphoenolpyruvate carboxylase 2

## UniProt Gene Name

PEP4

## UniProt Synonym Gene Names

PEP; PEPC 2; PEPCase 2

## UniProt Protein Name

Phosphoenolpyruvate carboxylase 2

## UniProt Primary Accession #

P51059

## UniProt Related Accession #

P51059

## UniProt Comments

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

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