

## phosphoenolpyruvate carboxylase

Cat. No. EXWM-4775

Lot. No. (See product label)

### Introduction

#### Description

This enzyme replenishes oxaloacetate in the tricarboxylic acid cycle when operating in the reverse direction. The reaction proceeds in two steps: formation of carboxyphosphate and the enolate form of pyruvate, followed by carboxylation of the enolate and release of phosphate.

#### Synonyms

phosphopyruvate (phosphate) carboxylase; PEP carboxylase; phosphoenolpyruvic carboxylase; PEPC; PEPCase; phosphate:oxaloacetate carboxy-lyase (phosphorylating)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.1.1.31

#### CAS No.

9067-77-0

#### Reaction

phosphate + oxaloacetate = phosphoenolpyruvate + HCO<sub>3</sub><sup>-</sup>

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.