



**Creative Enzymes**

*Diagnostic Enzymes*

## phosphoenolpyruvate carboxylase

### Product Information

<b>Cat#</b>	EXWM-4775
<b>Similar</b>	PEPC
<b>Description</b>	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.
<b>Form</b>	Liquid or lyophilized powder
<b>CAS No.</b>	9067-77-0
<b>Storage</b>	Store it at +4 oC for short term. For long term storage, store it at -20 oC ~ -80 oC.
<b>Synonyms</b>	phosphopyruvate (phosphate) carboxylase; PEP carboxylase; phosphoenolpyruvic carboxylase; PEPC; PEPCase; phosphate:oxaloacetate carboxy-lyase (phosphorylating)
<b>Enzyme Commission Number</b>	EC 4.1.1.31
<b>Reaction</b>	phosphate + oxaloacetate = phosphoenolpyruvate + HCO <sub>3</sub> <sup>-</sup>
<b>Notes</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Tel: 1-631-562-8517 1-516-512-3133

Email:[info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY11967, USA