



Creative Enzymes

Diagnostic Enzymes

phosphoenolpyruvate carboxylase

Product Information

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

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