



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Phosphoenolpyruvate carboxylase, Microorganism

Cat. No.:	HY-E70015	
CAS No.:	9067-77-0	
Target:	Others	
Pathway:	Others	Phosphoenolpyruvate carboxylase
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

Phosphoenolpyruvate carboxylase, Microorganism (PEPC) is a carbon dioxide fixing enzyme that in an irreversible manner and in the presence of  $Mg^{2+}$ , converts phosphoenolpyruvate and bicarbonate into oxaloacetate and inorganic phosphorus. Phosphoenolpyruvate carboxylase catalyses the primary assimilation of  $CO_2$  in Crassulacean acid metabolism plants. Phosphoenolpyruvate carboxylase plays a major role in setting the day-night pattern of metabolism in plants<sup>[1][2]</sup>.

### REFERENCES

- [1]. Durall C, et, al. Oligomerization and characteristics of phosphoenolpyruvate carboxylase in *Synechococcus* PCC 7002. *Sci Rep.* 2020 Feb 27;10(1):3607.
- [2]. Nimmo HG. The regulation of phosphoenolpyruvate carboxylase in CAM plants. *Trends Plant Sci.* 2000 Feb;5(2):75-80.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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