

## Pyruvate Oxidase, Microorganisms

Cat. No.:	HY-P2891	
CAS No.:	9001-96-1	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	Pyruvate Oxidase, Microorganisms
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

Pyruvate Oxidase, Microorganisms (PoxB) is a thiamine pyrophosphate-dependent oxidase that catalyzes the oxidative decarboxylation of pyruvate to acetyl phosphate, carbon dioxide and water. Pyruvate oxidase is an important enzyme in bacterial metabolism and is often used in biochemical research<sup>[1]</sup>.

### REFERENCES

[1]. Louis P Cornacchione, et al. Hydrogen peroxide-producing pyruvate oxidase from *Lactobacillus delbrueckii* is catalytically activated by phosphatidylethanolamine. *BMC Microbiol.* 2020 May 24;20(1):128.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA