

Active Recombinant Pyruvate Oxidase

Cat. No. PyOD-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Pyruvate Oxidase was expressed in E. coli.
Source	E.coli
Description	Pyruvate oxidase is an important enzyme that catalyzes the oxidative decarboxylation of pyruvate to produce acetyl phosphate, carbon dioxide, and hydrogen peroxide, playing a crucial role in bacterial metabolism.
Form	Light yellow lyophilized powder
Bio-activity	Specific Activity: 14.69 U/mg protein Activity: 13.95 U/mg solid
Purity	≥ 95% by SDS-PAGE
Storage	Store at -20 centigrade for at least 2 years
CAS No.	9001-96-1
EC No.	1.2.3.3
Unit Definition	Under conditions of 37 centigrade and pH 5.7, during the conversion of pyruvate and phosphate to acetyl phosphate and CO ₂ , one unit of pyruvate oxidase can produce 1.0 μmole of H ₂ O ₂ per minute

GENE INFORMATION

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Official Symbol	PyOD
Synonyms	PyOD; Pyruvate Oxidase