Creative Enzymes®

pyruvate dehydrogenase (quinone)

Cat. No. EXWM-1220

Lot. No. (See product label)

Introduction

Description	Flavoprotein (FAD). This bacterial enzyme is located on the inner surface of the cytoplasmic membrane and coupled to the respiratory chain via ubiquinone. Does not accept menaquinone. Activity is greatly enhanced by lipids. Requires thiamine diphosphate. The enzyme can also form acetoin.
Synonyms	pyruvate dehydrogenase; pyruvic dehydrogenase; pyruvic (cytochrome b1) dehydrogenase; pyruvate:ubiquinone-8-oxidoreductase; pyruvate oxidase (ambiguous); pyruvate dehydrogenase (cytochrome) (incorrect)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.5.1
Reaction	pyruvate + ubiquinone + H2O = acetate + CO2 + ubiquinol
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.