Creative Enzymes®

fumarate reductase (quinol)

Cat. No. EXWM-1388

Lot. No. (See product label)

Introduction

Description	The enzyme, which is found in anaerobic and facultative organisms such as bacteria, parasitic helminthes, and lower marine organisms, utilizes low potential quinols, such as menaquinol and rhodoquinol, to reduce fumarate as the final step of an anaerobic respiratory chain. The enzyme is known as complex II of the electron transfer chain, similarly to EC 1.3.5.1, succinate dehydrogenase (quinone), to which it is closely related.
Synonyms	FRD; menaquinol-fumarate oxidoreductase; succinate dehydrogenase (menaquinone); succinate:menaquinone oxidoreductase; fumarate reductase (menaquinone); complex II (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.5.4
Reaction	succinate + a quinone = fumarate + a quinol
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 ℃.