Creative Enzymes®

glutaryl-CoA dehydrogenase (acceptor)

Cat. No. EXWM-1434

Lot. No. (See product label)

Introduction

Description	The enzyme contains FAD. The anaerobic, sulfate-reducing bacterium Desulfococcus multivorans contains two glutaryl-CoA dehydrogenases: a decarboxylating enzyme (EC 1.3.8.6), and a nondecarboxylating enzyme (this entry). The two enzymes cause different structural changes around the glutaconyl carboxylate group, primarily due to the presence of either a tyrosine or a valine residue, respectively, at the active site.
Synonyms	GDHDes; nondecarboxylating glutaryl-coenzyme A dehydrogenase; nondecarboxylating glutaconyl-coenzyme A-forming GDH; glutaryl-CoA dehydrogenase (non-decarboxylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.99.32
Reaction	glutaryl-CoA + acceptor = (E)-glutaconyl-CoA + reduced acceptor
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 ℃.