

glutaconyl-CoA decarboxylase

Cat. No. EXWM-4818

Lot. No. (See product label)

Introduction

Description

The enzyme from *Acidaminococcus fermentans* is a biotinyl-protein, requires Na⁺, and acts as a sodium pump. Prior to the Na⁺-dependent decarboxylation, the carboxylate is transferred to biotin in a Na⁺-independent manner. The conserved lysine, to which biotin forms an amide bond, is located 34 amino acids before the C-terminus, flanked on both sides by two methionine residues, which are conserved in every biotin-dependent enzyme.

Synonyms

glutaconyl coenzyme A decarboxylase; pent-2-enoyl-CoA carboxy-lyase; 4-carboxybut-2-enoyl-CoA carboxy-lyase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.1.70

CAS No.

84399-93-9

Reaction

4-carboxybut-2-enoyl-CoA = but-2-enoyl-CoA + CO₂

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.