

2-oxoglutarate carboxylase

Cat. No. EXWM-5818

Lot. No. (See product label)

Introduction

Description

A biotin-containing enzyme that requires Mg²⁺ for activity. It was originally thought that this enzyme was a promoting factor for the carboxylation of 2-oxoglutarate by EC 1.1.1.41, isocitrate dehydrogenase (NAD⁺), but this has since been disproved. The product of the reaction is unstable and is quickly converted into isocitrate by the action of EC 1.1.1.41.

Synonyms

oxalosuccinate synthetase; carboxylating factor for ICDH (incorrect); CFI; OGC

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.4.1.7

CAS No.

60382-75-4

Reaction

ATP + 2-oxoglutarate + HCO₃⁻ = ADP + phosphate + oxalosuccinate

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.