Creative Enzymes®

oxoglutarate dehydrogenase (succinyl-transferring)

Cat. No. EXWM-1218

Lot. No. (See product label)

Introduction

Description	Contains thiamine diphosphate. It is a component of the multienzyme 2-oxoglutarate dehydrogenase complex in which multiple copies of it are bound to a core of molecules of EC 2.3.1.61, dihydrolipoyllysine-residue succinyltransferase, which also binds multiple copies of EC 1.8.1.4, dihydrolipoyl dehydrogenase. It does not act on free lipoamide or lipoyllysine, but only on the lipoyllysine residue in EC 2.3.1.61.
Synonyms	2-ketoglutarate dehydrogenase; 2-oxoglutarate dehydrogenase; 2-oxoglutarate: lipoate oxidoreductase; 2-oxoglutarate:lipoamide 2-oxidoreductase (decarboxylating and acceptor-succinylating); α-ketoglutarate dehydrogenase; αketoglutaric acid dehydrogenase; α-ketoglutaric dehydrogenase; α-oxoglutarate dehydrogenase; AKGDH; OGDC; ketoglutaric dehydrogenase; oxoglutarate decarboxylase; oxoglutarate dehydrogenase; oxoglutarate dehydrogenase (lipoamide)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.4.2
CAS No.	9031-02-1
Reaction	2-oxoglutarate + [dihydrolipoyllysine-residue succinyltransferase] lipoyllysine = [dihydrolipoyllysine-residue succinyltransferase] S-succinyldihydrolipoyllysine + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.