

dihydrolipoyllysine-residue succinyltransferase

Cat. No. EXWM-2241

Lot. No. (See product label)

Introduction

Description

A multimer (24-mer) of this enzyme forms the core of the multienzyme complex, and binds tightly both EC 1.2.4.2, oxoglutarate dehydrogenase (succinyl-transferring) and EC 1.8.1.4, dihydrolipoyl dehydrogenase. The lipoyl group of this enzyme is reductively succinylated by EC 1.2.4.2, and the only observed direction catalysed by EC 2.3.1.61 is that where this succinyl group is passed to coenzyme A.

Synonyms

dihydrolipoamide S-succinyltransferase; dihydrolipoamide succinyltransferase; dihydrolipoic transsuccinylase; dihydrolipoyl transsuccinylase; dihydrolipoyl transsuccinylase; lipoate succinyltransferase (Escherichia coli); lipoic transsuccinylase; lipoyl transsuccinylase; succinyl-CoA:dihydrolipoamide S-succinyltransferase; succinyl-CoA:dihydrolipoate S-succinyltransferase; enzyme-dihydrolipoyllysine:succinyl-CoA S-succinyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.61

CAS No.

9032-28-4

Reaction

succinyl-CoA + enzyme N6-(dihydrolipoyl)lysine = CoA + enzyme N6-(S-succinyl-dihydrolipoyl)lysine

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.