Creative Enzymes®

dihydrolipoyllysine-residue acetyltransferase

Cat. No. EXWM-2058

Lot. No. (See product label)

Introduction

Description	A multimer (24-mer or 60-mer, depending on the source) of this enzyme forms the core of the pyruvate dehydrogenase multienzyme complex, and binds tightly both EC 1.2.4.1, pyruvate dehydrogenase (acetyl-transferring) and EC 1.8.1.4, dihydrolipoyl dehydrogenase. The lipoyl group of this enzyme is reductively acetylated by EC 1.2.4.1, and the only observed direction catalysed by EC 2.3.1.12 is that where the acetyl group is passed to coenzyme A.
Synonyms	acetyl-CoA:dihydrolipoamide S-acetyltransferase; dihydrolipoamide S-acetyltransferase; dihydrolipoate acetyltransferase; dihydrolipoic transacetylase; dihydrolipoyl acetyltransferase; lipoate acetyltransferase; lipoate transacetylase; lipoic acetyltransferase; lipoic acid acetyltransferase; lipoic transacetylase; lipoylacetyltransferase; thioltransacetylase A; transacetylase X; enzyme-dihydrolipoyllysine:acetyl-CoA S-acetyltransferase; acetyl-CoA:enzyme 6-N-(dihydrolipoyl)lysine S-acetyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.12
CAS No.	9032-29-5
Reaction	acetyl-CoA + enzyme N6-(dihydrolipoyl)lysine = CoA + enzyme N6-(S-acetyldihydrolipoyl)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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.