

citrate lyase holo-[acyl-carrier protein] synthase

Cat. No. EXWM-3273

Lot. No. (See product label)

Introduction

Description

The γ -subunit of EC 4.1.3.6, citrate (pro-3S) lyase, serves as an acyl-carrier protein (ACP) and contains the prosthetic group 2'-(5-triphosphoribosyl)-3'-dephospho-CoA. Synthesis and attachment of the prosthetic group requires the concerted action of this enzyme and EC 2.4.2.52, triphosphoribosyl-dephospho-CoA synthase. In the enzyme from *Escherichia coli*, the prosthetic group is attached to serine-14 of the ACP via a phosphodiester bond.

Synonyms

2'-(5''-phosphoribosyl)-3'-dephospho-CoA transferase; 2'-(5''-triphosphoribosyl)-3'-dephospho-CoA:apo-citrate lyase; CitX; holo-ACP synthase (ambiguous); 2'-(5''-triphosphoribosyl)-3'-dephospho-CoA:apo-citrate lyase adenylyltransferase; 2'-(5''-triphosphoribosyl)-3'-dephospho-CoA:apo-citrate lyase 2'-(5''-triphosphoribosyl)-3'-dephospho-CoA transferase; 2'-(5''-triphosphoribosyl)-3'-dephospho-CoA:apo-citrate-lyase adenylyltransferase; holo-citrate lyase synthase (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.7.61

CAS No.

312492-44-7

Reaction

2'-(5-triphosphoribosyl)-3'-dephospho-CoA + citrate lyase apo-[acyl-carrier protein] = citrate lyase holo-[acyl-carrier protein] + diphosphate

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.