

aminomethyltransferase

Cat. No. EXWM-2001

Lot. No. (See product label)

Introduction

Description

A component, with EC 1.4.4.2 glycine dehydrogenase (decarboxylating) and EC 1.8.1.4, dihydrolipoyl dehydrogenase, of the glycine cleavage system, formerly known as glycine synthase. The glycine cleavage system is composed of four components that only loosely associate: the P protein (EC 1.4.4.2), the T protein (EC 2.1.2.10), the L protein (EC 1.8.1.4) and the lipoyl-bearing H protein.

Synonyms

S-aminomethyldihydrolipoylprotein:(6S)-tetrahydrofolate aminomethyltransferase (ammonia-forming); T-protein; glycine synthase; tetrahydrofolate aminomethyltransferase; [protein]-8-S-aminomethyldihydrolipoyllysine:tetrahydrofolate aminomethyltransferase (ammonia-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.2.10

CAS No.

37257-08-2

Reaction

[protein]-S8-aminomethyldihydrolipoyllysine + tetrahydrofolate = [protein]-dihydrolipoyllysine + 5,10-methylenetetrahydrofolate + NH₃

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.