

glycine dehydrogenase (aminomethyl-transferring)

Cat. No. EXWM-1485

Lot. No. (See product label)

Introduction

Description

A pyridoxal-phosphate protein. A component of the glycine cleavage system, which 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, aminomethyltransferase), the L protein (EC 1.8.1.4, dihydrolipoyl dehydrogenase) and the lipoyl-bearing H protein. Previously known as glycine synthase.

Synonyms

P-protein; glycine decarboxylase; glycine-cleavage complex; glycine:lipoylprotein oxidoreductase (decarboxylating and acceptor-aminomethylating); protein P1; glycine dehydrogenase (decarboxylating); glycine cleavage system P-protein; glycine-cleavage complex P-protein

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.4.4.2

CAS No.

37259-67-9

Reaction

glycine + [glycine-cleavage complex H protein]-N6-lipoyl-L-lysine = [glycine-cleavage complex H protein]-S-aminomethyl-N6-dihydrolipoyl-L-lysine + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.