

## 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 + NH<sub>3</sub>

**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.