Creative Enzymes®

glycine C-acetyltransferase

Cat. No. EXWM-2206

Lot. No. (See product label)

Introduction

Description	This is a pyridoxal-phosphate-dependent enzyme that acts in concert with EC 1.1.1.103, L-threonine 3-dehydrogenase, in the degradation of threonine to form glycine. This threonine degradation pathway is common to prokaryotic and eukaryotic cells and the two enzymes involved form a complex.
Synonyms	2-amino-3-ketobutyrate CoA ligase; 2-amino-3-ketobutyrate coenzyme A ligase; 2-amino-3-ketobutyrate-CoA ligase; glycine acetyltransferase; aminoacetone synthase; aminoacetone synthetase; KBL; AKB ligase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.29
CAS No.	37257-11-7
Reaction	acetyl-CoA + glycine = CoA + L-2-amino-3-oxobutanoate
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 ℃.