Creative Enzymes®

γ-glutamyl-γ-aminobutyrate hydrolase

Cat. No. EXWM-4486

Lot. No. (See product label)

Introduction

Description	Forms part of a putrescine-utilizing pathway in Escherichia coli, in which it has been hypothesized that putrescine is first glutamylated to form γ-glutamylputrescine, which is oxidized to 4-(γ-glutamylamino)butanal and then to 4-(γ-glutamylamino)butanoate. The enzyme can also catalyse the reactions of EC 3.5.1.35 (D-glutaminase) and EC 3.5.1.65 (theanine hydrolase).
Synonyms	γ-glutamyl-GABA hydrolase; PuuD; YcjL; 4-(γ-glutamylamino)butanoate amidohydrolase; 4-(L-γ-glutamylamino)butanoate amidohydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.94
Reaction	4-(γ-L-glutamylamino)butanoate + H2O = 4-aminobutanoate + L-glutamate
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 ℃.