Creative Enzymes®

[glutamine synthetase]-adenylyl-L-tyrosine phosphorylase

Cat. No. EXWM-3302

Lot. No. (See product label)

Introduction

Description	This bacterial enzyme removes an adenylyl group from a modified tyrosine residue of EC 6.3.1.2, glutamine synthetase. The enzyme is bifunctional, and also performs the adenylation of this residue (cf. EC 2.7.7.42, [glutamine synthetase] adenylyltransferase). The two activities are present on separate domains.
Synonyms	adenylyl-[glutamine-synthetase]-deadenylase; [L-glutamate:ammonia ligase (ADP-forming)]-O4-(5'-adenylyl)-L-tyrosine:phosphate adenylyltransferase; [glutamate-ammonia ligase]-adenylyl-L-tyrosine phosphorylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.89
Reaction	[glutamine synthetase]-O4-(5'-adenylyl)-L-tyrosine + phosphate = [glutamine synthetase]-L-tyrosine + ADP
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 ℃.