Creative Enzymes®

N-acetyl-γ-glutamyl-phosphate reductase

Cat. No. EXWM-1142

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD+ or NADP+ as acceptor. This enzyme participates in urea cycle and metabolism of amino groups.
Synonyms	reductase, acetyl-γ-glutamyl phosphate; N-acetylglutamate 5-semialdehyde dehydrogenase; N-acetylglutamic γ-semialdehyde dehydrogenase; N-acetyl-L-glutamate γ-semialdehyde:NADP+ oxidoreductase (phosphorylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.38
CAS No.	37251-00-6
Reaction	N-acetyl-L-glutamate 5-semialdehyde + NADP+ + phosphate = N-acetyl-L-glutamyl 5-phosphate + NADPH + H+
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 ℃.