

## 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<sup>+</sup> or NADP<sup>+</sup> 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<sup>+</sup> 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<sup>+</sup> + phosphate = N-acetyl-L-glutamyl 5-phosphate + NADPH + H<sup>+</sup>

#### 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.