

## aminopyrimidine aminohydrolase

Cat. No. EXWM-4587

Lot. No. (See product label)

### Introduction

#### Description

Previously known as thiaminase II, this enzyme is involved in the regeneration of the thiamine pyrimidine from degraded products, rather than in thiamine degradation, and participates in thiamine salvage pathways.

#### Synonyms

thiaminase; thiaminase II; tenA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.99.2

#### CAS No.

9024-80-0

#### Reaction

(1) 4-amino-5-aminomethyl-2-methylpyrimidine + H<sub>2</sub>O = 4-amino-5-hydroxymethyl-2-methylpyrimidine + NH<sub>3</sub>; (2) thiamine + H<sub>2</sub>O = 4-amino-5-hydroxymethyl-2-methylpyrimidine + 5-(2-hydroxyethyl)-4-methylthiazole

#### 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.