

L-threonine 3-dehydrogenase

Cat. No. EXWM-0006

Lot. No. (See product label)

Introduction

Description

This enzyme acts in concert with EC 2.3.1.29, glycine C-acetyltransferase, in the degradation of threonine to glycine. This threonine-degradation pathway is common to prokaryotic and eukaryotic cells and the two enzymes involved form a complex. In aqueous solution, the product L-2-amino-3-oxobutanoate can spontaneously decarboxylate to form aminoacetone.

Synonyms

L-threonine dehydrogenase; threonine 3-dehydrogenase; threonine dehydrogenase; TDH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.103

CAS No.

9067-99-6

Reaction

$\text{L-threonine} + \text{NAD}^+ = \text{L-2-amino-3-oxobutanoate} + \text{NADH} + \text{H}^+$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.