Creative Enzymes®

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	L-threonine + NAD+ = L-2-amino-3-oxobutanoate + NADH + 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 ℃.