Creative Enzymes®

low-specificity L-threonine aldolase

Cat. No. EXWM-4884

Lot. No. (See product label)

Introduction

Description	Requires pyridoxal phosphate. The low-specificity L-threonine aldolase can act on both L-threonine and L-allo-threonine. The enzyme from Escherichia coli can also act on L-threo-phenylserine and L-erythro-phenylserine. The enzyme can also catalyse the aldol condensation of glycolaldehyde and glycine to form 4-hydroxy-L-threonine, an intermediate of pyridoxal phosphate biosynthesis. Different from EC 4.1.2.5, L-threonine aldolase, and EC 4.1.2.49, L-allo-threonine aldolase.
Synonyms	LtaE

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.2.48
Reaction	(1) L-threonine = glycine + acetaldehyde; (2) L-allo-threonine = glycine + acetaldehyde
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 ℃.