

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