Creative Enzymes®

D-threonine aldolase

Cat. No. EXWM-4878

Lot. No. (See product label)

Introduction

Description A pyridoxal-phosphate protein that is activated by divalent metal cations (e.g. Co2+, Ni2+, Mn2+ or Mg2+). The reaction is reversible, which can lead to the interconversion of D-threonine and D-allothreonine. Several other D-β-hydroxy-α-amino acids, such as D-β-phenylserine, D-β-hydroxy-α-aminovaleric acid and D-β-3,4-dihydroxyphenylserine, can also act as substrate.

Synonyms D-TA; DTA; low specificity D-TA; low specificity D-threonine aldolase

Product Information

Form Liquid or lyophilized powder

EC Number EC 4.1.2.42

Reaction (1) D-threonine = glycine + acetaldehyde; (2) D-allothreonine = 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 ℃.