

## 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. Co<sup>2+</sup>, Ni<sup>2+</sup>, Mn<sup>2+</sup> or Mg<sup>2+</sup>). 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.