Threonine deaminase (TDA)

Cat. No. TDA-28 **Lot. No.** (See product label)

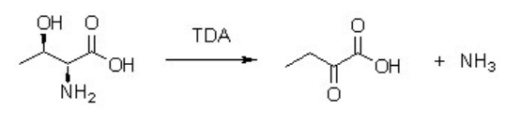
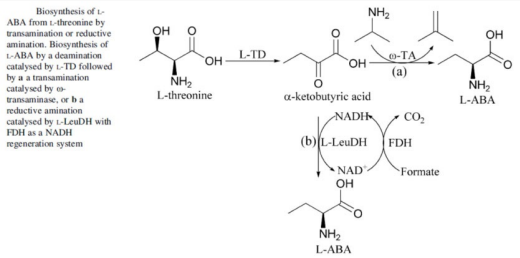
SPECIFICATION

Product Overview	
Description	TDA (Threonine deaminase): a pyridoxal phosphate protein that catalyzes the deamination of threonine to produce 2-ketobutyric acid and ammonia. Pyridoxal 5-phosphate is necessary as coenzyme in the catalytic system.
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme, coenzyme. 2. TDA should be added last into reaction system, after the pH and temperature been adjusted to the reaction condition.
Notes	Never contact with extreme conditions such as: high temperature, high/low pH and high concentration organic solvent.
Storage	Keep 2 years below -20 centigrade.
Advantages	1. High substrate specificity. 2. Strong chiral selectivity. 3. High conversion. 4. Less by-products. 5. Mild reaction conditions. 6. Environmentally friendly.

GENE INFORMATION

Official Symbol	TDA
Synonyms	Threonine deaminase; TDA

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Catalytic reaction type	
Application Examples	 Synthesis of L-2-aminobutyric acid from threonine

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