Creative Enzymes®

D-Amino Acid Transaminase from Bacillus subtilis, Recombinant

Cat. No. NATE-1095

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. The enzyme from thermophilic Bacillus species acts on many D-amino acids with D-alanine and D-2-aminobutyrate as the best amino donors. It can similarly use any of several 2-oxo acids as amino acceptor, with 2-oxoglutarate and 2-oxobutyrate among the best. The enzyme from some other sources has a broader specificity.
Synonyms	D-aspartate transaminase; D-alanine aminotransferase; D-aspartic aminotransferase;D-alanine-D-glutamate transaminase; D-alanine transaminase; D-amino acid aminotransferase

Product Information

Source	Bacillus subtilis
Form	Liquid
EC Number	EC 2.6.1.21
CAS No.	37277-85-3
Molecular Weight	~ 33.3kD
Activity	~ 65 KU/mg protein
Unit Definition	One Unit is defined as the amount of enzyme required to produce one μmole of D-glutamate per minute from α-ketoglutaric acid in the presence of NADH at pH 7.5 and 25°C.

Storage and Shipping Information

Storage	4°C