Creative Enzymes®

Native Escherichia coli Apotryptophanase

Cat. No. NATE-0706

Lot. No. (See product label)

Introduction

Description	Apotryptophanase hydrolizes tryptophan and is capable of catalyzing α,β-elimination reactions with a number of substituted amino acids, including S-methyl-, S-ethyl-and S-benzyl-L-cysteine. DTNB inactivates tryptophanase.
Applications	Apotryptophanase is used for the quantitative determination of pyridoxal-phosphate. Apotryptophanase, from Creative Enzymes, has been used to study pregnancy-associated PLP deficiency and vitamin B-6 deficiency.
Synonyms	L-tryptophanase; L-tryptophan indole-lyase (deaminating); TNase; EC 4.1.99.1; 9024-00-4

Product Information

Source	Escherichia coli
Form	soluble powder.
EC Number	EC 4.1.99.1
CAS No.	9024-00-4
Activity	75-150 units/mg solid
Unit Definition	One unit releases one μg of indole from L-tryptophan in 10 min at pH 8.3 at 37°C in the presence of 0.04 mM pyridoxal-5'--phosphate.

Storage and Shipping Information

Storage	−20°C