

Native Escherichia coli Apotryptophanase

Cat. No. NATE-0706

Lot. No. (See product label)

Introduction

Description Apotryptophanase hydrolyzes 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