

## Native Escherichia coli Apotryptophanase

Cat. No. NATE-0706

Lot. No. (See product label)

### Introduction

**Description** Apotryptophanase hydrolyzes tryptophan and is capable of catalyzing  $\alpha,\beta$ -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  $\mu\text{g}$  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