

## Native Rat Arginase

Cat. No. NATE-0086

Lot. No. (See product label)

### Introduction

**Description** Arginase (EC 3.5.3.1, arginine amidinase, canavanase, L-arginase, arginine transamidinase) is a manganese-containing enzyme. The reaction catalyzed by this enzyme is: arginine + H<sub>2</sub>O → ornithine + urea. It is the final enzyme of the urea cycle. It is ubiquitous to all domains of life.

**Synonyms** Arginase; arginine amidinase; canavanase; L-arginase; arginine transamidinase; EC 3.5.3.1

### Product Information

**Species** Rat

**Source** Rat Liver

**Form** Lyophilized

**EC Number** EC 3.5.3.1

**CAS No.** 9000-96-8

**Purity** Purified

**Activity** > 200 U/mg

**Contaminants** ALP: 0.1% gGT: 0.1% GOT/AST: 0.1% GPT/ALT: 0.1%

**Specificity** Typically >250 U/mg protein

**Pathway** Amoebiasis, organism-specific biosystem; Arginine and proline metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem

**Function** arginase activity; manganese ion binding

**Unit Definition** One unit will catalyze the hydrolysis of one micromole of L-arginine to L-ornithine and urea per minute at 37°C and pH 9.5

### Storage and Shipping Information

**Storage** -20°C