

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 + H₂O → 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