Creative Enzymes®

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 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