Creative Enzymes®

Native Bovine L-Arginase

Cat. No. NATE-0379

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	Bovine
Source	Bovine liver
Form	powder
EC Number	EC 3.5.3.1
CAS No.	9000-96-8
Purity	Protein > 70 % by biuret
Pathway	Amoebiasis, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Metabolism, organism-specific biosystem
Function	arginase activity; metal ion binding
Unit Definition	One unit will cause the hydrolysis of 1.0 μmole of L-arginine per minute at pH 9.5 and 37°C.

Storage and Shipping Information

Storage	−20°C