Creative Enzymes®

Arginase from Human, Recombinant

Cat. No. NATE-1572

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	Human liver
Source	E. coli
Form	3.2 M ammonium sulphate
EC Number	EC 3.5.3.1
CAS No.	9000-96-8
Molecular Weight	35 kDa
Purity	>95% as judged by SDS-PAGE
Activity	390 U/mg protein, 1950 U/ml.
Optimum pH	10.0-11.0
Optimum temperature	25-40 °C
Unit Definition	One Unit of arginase was defined as the amount of enzyme required to produce one micromole of urea for 1 min at 30 °C and pH 8.3.

Storage and Shipping Information

Storage	Arginase should be stored at 4 °C or and will remain stable up to 3 years if stored as specified.