

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.