Creative Enzymes®

Asparaginase from E. coli, Recombinant

Cat. No. NATE-1932

Lot. No. (See product label)

Introduction

Description	Asparaginase (EC 3.5.1.1, USAN) or Colaspase (BAN) is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are enzymes expressed and produced by microorganisms.
Synonyms	EC 3.5.1.1; Asparaginase; Colaspase; L-asparaginase; L-asparagine amidohydrolase

Product Information

Source	E. coli
Form	In 2.5 M lithium sulphate.
EC Number	EC 3.5.1.1
CAS No.	9015-68-3
Molecular Weight	~ 37,900
Activity	~ 15 U/mg
Concentration	~ 350 U/mL
Isoelectric point	~ 6.3
Optimum pH	8
Optimum temperature	37°C
Unit Definition	One Unit of asparaginase activity is defined as the amount of enzyme required to produce one µmole of L-aspartate from L-asparagine (7.3 mM) per minute in the presence of NADPH in Tris.HCL buffer (45 mM), pH 8.0.

Storage and Shipping Information

Storage	4°C
Stability	> 4 years at 4°C.