

Native Porcine Leucine Aminopeptidase

Cat. No. NATE-1879

Lot. No. (See product label)

Introduction

Description Leucine aminopeptidase (LAP) is a proteolytic enzyme which hydrolyzes the peptide bond adjacent to a free amino group. It is called leucine aminopeptidase because it rapidly catalyzes the hydrolysis of leucine containing peptides. However, it also catalyzes the hydrolytic release of other amino acids located at the N-terminal end of various peptides and proteins. The enzyme from porcine kidney has been extensively studied. It has a molecular weight of 255,000 and it consists of four subunits each having one atom of zinc.

Synonyms Leucine Aminopeptidase; 9054-63-1; leucyl peptidase; peptidase S; cytosol aminopeptidase; cathepsin III; L-leucine aminopeptidase; leucinaminopeptidase; leucinamide aminopeptidase; FTBL proteins; proteinates FTBL; aminopeptidase II; aminopeptidase III; aminopeptidase I; EC 3.4.11.1; leucyl aminopeptidase; LAP

Product Information

Species Porcine

Source Porcine Kidney

Form Ammonium Sulfate

EC Number EC 3.4.11.1

Purity 90% (biuret)

Activity >100 U/mg protein

Solubility Soluble in distilled water or dilute buffer

Unit Definition That amount of enzyme which catalyzes the hydrolysis of one micromole L-leucinamide per minute at 25°C at pH 8.5.

Storage and Shipping Information

Storage Stable when stored at 4°C. Do not freeze