

Native Porcine Aminopeptidase M

Cat. No. NATE-1912

Lot. No. (See product label)

Introduction

Description

Native amino peptidase M from porcine kidney. Metalloprotease that hydrolyzes N-terminal amino acids from almost all unsubstituted oligopeptides. Does not cleave X-Pro bonds or N-blocked amino acids. Useful in peptide sequencing. Inhibited by EDTA, bestatin, and amastatin.

Synonyms

Aminopeptidase M

Product Information

Species

Porcine

Source

Porcine kidney

Appearance

White crystalline suspension

Formulation

Crystalline suspension in 3.2 M (NH₄)₂SO₄, 10 mM MgCl₂, 10 mM Tris-HCl, pH 7.5.

EC Number

EC 3.4.11.2

CAS No.

9054-63-1

Activity

> 50 units/ml

Specific Activity

> 10 units/mg protein

Contaminants

Oxidases: < 3%

Unit Definition

One unit is defined as the amount of enzyme that will hydrolyze 1 μmol of Leu-pNA per min at 37°C, pH 7.2.

Storage and Shipping Information

Storage

2 - 8°C

Stability

Following reconstitution, aliquot and freeze (-20°C). Stock solutions are stable for up to 4 months at -20°C.

Shipping Conditions

Ambient Temperature Only