

## 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 (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, 10 mM MgCl<sub>2</sub>, 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