

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