Creative Enzymes®

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 $(NH_4)_2SO_4$, 10 mM $MgCl_2$, 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