Creative Enzymes®

Native Penicillium janthinellum Carboxypeptidase P

Cat. No. NATE-0157

Lot. No. (See product label)

Introduction

Description Membrane Pro-Xaa carboxypeptidase (EC 3.4.17.16, carboxypeptidase P, microsomal carboxypeptidase) is an enzyme. This enzyme catalyses the following chemical reaction:Release of a C-terminal residue other than proline, by preferential cleavage of a prolyl bond. This is one of the renal brush border exopeptidases.

Applications Membrane Pro-Xaa carboxypeptidase (EC 3.4.17.16, carboxypeptidase P, microsomal carboxypeptidase) is an enzyme.[1][2][3] This enzyme catalyses the following chemical reaction Release of a C-terminal residue other than proline, by preferential cleavage of a prolyl bond This is one of the renal brush border exopeptidases

Synonyms Aminoacylproline Carboxypeptidase; CPP; Penicillocarboxypeptidase S-1; Proline Carboxypeptidase; EC 3.4.17.16; Membrane Pro-Xaa carboxypeptidase; carboxypeptidase P; microsomal carboxypeptidase

Product Information

Source Penicillium janthinellum

Form Lyophilized powder containing sodium Citrate

EC Number EC 3.4.17.16

CAS No. 9075-64-3

Unit Definition One unit will hydrolyze 1.0 µmole of N-CBZ-Glu-Tyr to N-CBZ-L-glutamic acid and L-tyrosine per min at pH 3.7 at 30°C.

Usage and Packaging

Package vial of > 100 units

Storage and Shipping Information

Storage −20°C