

peptidyl-dipeptidase B

Cat. No. EXWM-4054

Lot. No. (See product label)

Introduction

Description

A membrane-bound, zinc metallopeptidase located in mammalian atrial, but not ventricular, myocytes. Although it is capable of converting the 126-residue atriopeptin III directly to atriopeptin I by releasing a C-terminal tripeptide Phe-Arg-Tyr, it is generally restricted to the release of dipeptides. In contrast to peptidyl-dipeptidase A (EC 3.4.15.1) it displays no Cl⁻ dependence and shows no action on angiotensin I. Conversely, peptidyl-dipeptidase A is unable to release Phe-Arg from the C-terminus of atriopeptin II

Synonyms

dipeptidyl carboxyhydrolase; atriopeptin convertase; atrial di-(tri)peptidyl carboxyhydrolase; peptidyldipeptidase B; atrial dipeptidyl carboxyhydrolase; atrial peptide convertase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.15.4

CAS No.

147014-93-5

Reaction

Release of a C-terminal dipeptide or exceptionally a tripeptide

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.