Creative Enzymes®

Methionine Aminopeptidase from Pyrococcus furiosus, Recombinant

Cat. No. NATE-0442

Lot. No. (See product label)

Introduction

Description	Methionyl aminopeptidase (EC 3.4.11.18, methionine aminopeptidase, peptidase M, L-methionine aminopeptidase, MAP) is an enzyme. This enzyme catalyses the following chemical reaction:Release of N-terminal amino acids, preferentially methionine, from peptides and arylamides. This membrane-bound enzyme is present in both prokaryotes and eukaryotes.
Applications	Methionine Aminopeptidase from Pyrococcus furiosus has been used in a study to analyze the binding of Co (II)-specific inhibitors to the methionyl aminopeptidases from Escherichia coli and Pyrococcus furiosus. It has also been used in a study to examine the binding of a new class of pseudopeptide analog inhibitors.
Synonyms	Methionyl aminopeptidase; EC 3.4.11.18; methionine aminopeptidase; peptidase M; L-methionine aminopeptidase; MAP

Product Information

Species	Pyrococcus furiosus
Source	E. coli
Form	Solution containing 0.01% Tween 20, 0.1 mM $CoCl_2$, and 10 mM Tris-HCl, pH 7.5.
EC Number	EC 3.4.11.18
CAS No.	9025-42-7
Unit Definition	One unit will hydrolyze 1 μmol of Met from Met-Pro-Ala-Ala-Gly in 1 minute at pH 7.5 at 37°C.

Storage and Shipping Information

Storage	−20°C