

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 CoCl₂, 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