Creative Enzymes®

aminopeptidase S

Cat. No. EXWM-4021

Lot. No. (See product label)

Introduction

Description	Aminopeptidases are associated with many biological functions, including protein maturation, protein degradation, cell-cycle control and hormone-level regulation. This enzyme contains two zinc molecules in its active site and is activated by Ca2+. In the presence of Ca2+, the best substrates are Leu-Phe, Leu-Ser, Leu-pNA (aminoacyl-p-nitroanilide), Phe-Phe-Phe and Phe-Phe. Peptides with proline in the P1' position are not substrates. Belongs in peptidase family M28.
Synonyms	Mername-AA022 peptidase; SGAP; aminopeptidase (Streptomyces griseus); Streptomyces griseus aminopeptidase; S. griseus AP; double-zinc aminopeptidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.11.24
Reaction	Release of an N-terminal amino acid with a preference for large hydrophobic amino-terminus residues
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.