

endopeptidase Clp

Cat. No. EXWM-4184

Lot. No. (See product label)

Introduction

Description

An enzyme from bacteria that contains subunits of two types, ClpP, with peptidase activity, and ClpA, with ATPase activity. The ClpAP complex, which displays ATP-dependent endopeptidase activity, has the composition (ClpP₁₄ClpA₆)₂. ClpP is the type example of peptidase family S14

Synonyms

endopeptidase Ti; caseinolytic protease; protease Ti; ATP-dependent Clp protease; endopeptidase Ti; caseinolytic protease; ClpP; Clp protease

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.21.92

CAS No.

110910-59-3

Reaction

Hydrolysis of proteins to small peptides in the presence of ATP and Mg²⁺. α-Casein is the usual test substrate. In the absence of ATP, only oligopeptides shorter than five residues are hydrolysed (such as succinyl-Leu-Tyr-NHMe; and Leu-Tyr-Leu-Tyr-Trp, in which cleavage of the -Tyr-Leu- and -Tyr-Trp bonds also occurs)

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.