Creative Enzymes®

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┼NHMec; 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.