

## 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 (ClpP<sub>14</sub>ClpA<sub>6</sub>)<sub>2</sub>. 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 Mg<sup>2+</sup>. 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.