

## Endoproteinase Lys-C

Cat. No.:	HY-P3208
CAS No.:	72561-05-8
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Endoproteinase Lys-C

### BIOLOGICAL ACTIVITY

<b>Description</b>	Endoproteinase Lys-C is a protease that cleaves proteins on the C-terminal side of lysine residues and is commonly used for protein sequencing <sup>[1]</sup> .
<b>In Vitro</b>	<p>This product can be used for: 1) protein sequence analysis; 2) synthesis of lysine-related derivatives.</p> <p><b>Protocol</b></p> <p>This product can be directly used for protein enzyme digestion. The recommended enzyme digestion ratio is 1:50-1:200, and the enzyme digestion should be performed at 37 °C overnight.</p> <p><b>Notes</b></p> <p>1) The optimal reaction pH of this product is 9.0-9.5, and the optimal reaction temperature is 30-37 °C. It can still maintain high enzyme activity in the presence of 4 M urea or 0.1% SDS.</p> <p>2) Buffer: 20 mM Tris-HCl, pH=8.0.</p> <p>3) Do not freeze and thaw repeatedly.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. P A Jekel, et al. Use of endoproteinase Lys-C from *Lysobacter* enzymogenes in protein sequence analysis. *Anal Biochem*. 1983 Oct 15;134(2):347-54.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA