

Easy-to-Use Lys-C Solution

# Lysyl Endopeptidase<sup>®</sup>, Solution

Lysyl Endopeptidase, originally isolated from a soil bacterium by Masaki *et al.*, cleaves specifically the peptides on the carboxyterminal side of Lysine residues. This enzyme is very useful both in protein sequence analysis and in enzymatic synthesis of Lys-X compounds.

We have launched the ready-to-use solution.

## Features

- ◆ High substrate specificity
- ◆ Easy-to-Use

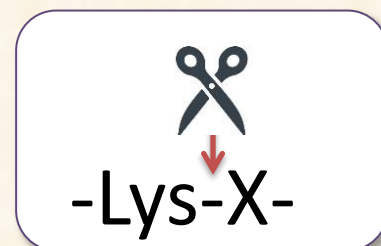
## Product Outline

Appearance: Liquid (2 mmol/L Tris-HCl Buffer, pH 8.0)

Activity: 8.0 ~ 12.0 AU/mL (Indicated on each label)

Unit Definition: One amidase unit (AU) is the amount of enzyme, which will produce 1 μmol of p-nitroaniline per minute at 30°C, pH 9.5.

EC : 3.4.21.50



Product Name	Grade	Pkg. Size	Wako Cat. No.	Storage Condition
<b>New</b> Lysyl Endopeptidase <sup>®</sup> , Solution	for Biochemistry	5 AU	127-06621	Keep at 2~10°C.

## References:

- 1) Masaki, T., Nakamura, K., Isono, M. and Soejima, M.: *Agr. Biol. Chem.*, **42**, 1443(1978).
- 2) Morihara, K., Oka, T., Tsuzuki, H., Tochino, Y. and Kanaya, T.: *Biochem. Biophys. Res. Commun.*, **92**, 396(1980).
- 3) Schwert, G.W. and Takenaka, Y.: *Biochim. Biophys. Acta.*, **16**, 570(1955).
- 4) Tuppy, H., Wissbauer, U. and Wintersberger, E.: *HoppeSeyler's Z. Physiol Chem.*, **329**, 278(1962).
- 5) Masaki, T., Tanabe, M., Nakamura, K. and Soejima, M.: *Biochem. Biophys. Acta.*, **660**, 44(1981).
- 6) Masaki, T., Fujihashi, T., Nakamura, K. and Soejima, M.: *Biochem. Biophys. Acta.*, **660**, 51(1981).



## Lyophilized type

Appearance: White ~ nearly white, powder or mass

Product Name	Grade	Pkg. Size	Wako Cat. No.	Storage Condition
Lysyl Endopeptidase®	for Biochemistry	2 AU 10 AU	125-02543 129-02541	Keep at -20°C.

## Mass Spectrometry Grade

*20 µg package for single use*

Appearance: Lyophilized

Activity: 0.03 ~ 0.07 AU/vial

### References:

- 1) Wada, Y. and Kadoya, M.: *J. Mass Spectrom.*, **38**, 117 (2003) .
- 2) Shevchenko, A., Wilm, M., Vorm, O. and Mann, M.: *Anal. Chem.*, **68**, 850 (1996) .



Product Name	Grade	Pkg. Size	Wako Cat. No.	Storage Condition
Lysyl Endopeptidase®, Mass Spectrometry Grade	for Proteome Research	20 µg × 5	125-05061	Keep at -20°C.

## Related Products

Product Name	Grade	Pkg. Size	Wako Cat. No.	Storage Condition
Trypsin, from Porcine Pancreas, Mass Spectrometry Grade	for Proteome Research	20 µg × 5	202-15951	Keep at -20°C.
Silver Stain MS Kit	for Electrophoresis	20 tests	299-58901	Keep at 2~10°C.
Negative Gel Stain MS Kit	for Electrophoresis	20 tests	293-57701	Keep at room temperature.

Listed products are intended for laboratory research use only, and not to be used for drug, food or human use. / Please visit our online catalog to search for other products from Wako; <http://www.e-reagent.com> / This leaflet may contain products that cannot be exported to your country due to regulations. / Bulk quote requests for some products are welcomed. Please contact us.

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