

rPromatrilysin

Promatrilysin, recombinant from human

Host cell : E. coli

Specification

Specific Activity

Specifications
≥1,400 units/mg
One unit is defined as an amount of enzyme which degrade 1 μg of Azocoll per 1 min at 37°C, which is incubated in the solution of 1.82 mg/mL Azocoll, 50 mmol/L Tris-HCl (pH7.5), 0.2 mol/L NaCl, 10 mmol/L CaCl₂, 0.02% NaN₃, 0.05% Brij 35, 1 mmol/L p-aminophenylmercuric acetate³⁾.

Feature

Promatrilysin is the precursor of matrilysin¹⁾ which is one of the matrix metalloproteinase.
It is produced by regeneration after expressing it into

the inclusion body with *E. coli*²⁾.

Preparation

about 1 mg/mL (25 mmol/L Tris-HCl buffer containing 0.15 mmol/L NaCl, 5 mmol/L CaCl₂, 0.02% NaN₃ and 0.01% Brij 35, pH 7.5)

Storage

- 80°C

Repeated freeze-thaw might cause activation.

OYC No./Package

OYC No.	Package
47247000	100 μg

References

- 1) K. Miyazaki, et al., *Cancer Res.*, **50**, 7758-7764 (1990)
- 2) Y. Kihira, et al., *Urol. Oncol.*, **2**, 20-26 (1996)
- 3) J. F. Jr. Woessner, *Methods Enzymol.*, **248**, 485-495 (1995)

(Research reagent use only, not for medical use.)

