



PRODUCT DATA SHEET

Product: Promatrilysin (rPromatrilysin), recombinant from human

Cat. No.: BC-339 (0.1 mg)

Background:

Promatrilysin is the precursor of matrilysin which is one of the matrix metalloproteinase.

It is produced by regeneration after expressing it into the inclusion body with *E. coli*.

Host cell:

E. coli

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 (pH 7.5), 0.2 mol/L NaCl, 10 mmol/L CaCl₂, 0.02% NaN₃, 0.05% Brij 35, 1 mmol/L p-aminophenylmercuric acetate.

Preparation:

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

Storage:

Store at -80°C. Repeated freeze-thaw might cause activation.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.