



PRODUCT DATA SHEET

Product: Matrilysin (rMatrilysin), recombinant from human

Cat. No.: BC-338 (0.1 mg)

Background:

Matrilysin is one of matrix metalloproteinase (MMP) and it degrades extracellular matrix protein (e.g. fibronectin, laminin, collagen, gelatin, elastin, entactin, proteoglycan). Recombinant human matrilysin (rMMP-7) is produced by activation of recombinant pro human promatrilysin (rProMMP-7) by adding p-aminophenylmercuric acetate which is regenerated from *E. coli* inclusion body.

Host cell:

E. coli

Specifications:

≥3,100 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.

Preparation:

About 2 mg/mL (10 mmol/L HEPES buffer containing 0.15 mol/L NaCl and 5 mmol/L CaCl₂, pH 7.4)

Storage:

Store at -80°C. Aliquot to avoid freeze/thaw cycles.

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.