

# Recombinant Human Enteropeptidase/Enterokinase, Light Chain

## Certificate of Analysis and Data Sheet

➤ <b>Source:</b>	➤ <b>Catalog No.</b> ENZ-260
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### ➤ **Description :**

Human enteropeptidase is a specific protease that cleaves after the sequence Asp-Asp-Aps-Aps-Lys. The light chain of enteropeptidase has full enzymatic activity.

No other protease activity was detected. Human enteropeptidase binds specifically to STI-agarose.

### ➤ **Physical Appearance:**

Liquid.

### ➤ **Formulation:**

50 mM Tris-HCl, pH 8.0, 0.5M NaCl and 50% glycerol.

### ➤ **Stability:**

One year when stored at -20°C, three weeks at room temperature.

**Please avoid freeze-thaw cycles.**

### ➤ **Unit definition:**

One unit of human enteropeptidase will cleave 2 mg of thioredoxin/human EGF fusion protein with the Asp-Asp-Aps-Aps-Lys sequence at the joining point in 22 hours at 4°C, in 16 hours at 25°C or in 8 hours at 37°C.

### ➤ **Assay conditions:**

50 mM TRIS-HCl or sodium phosphate (pH 8.0) at 25°C with or without CaCl<sub>2</sub>. The enzyme is active at a pH range of 6.0-9.0.

### ➤ **Dilution buffers:**

50 mM Tris-HCl, pH 8.0, 500 mM NaCl and 50% glycerol.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of enteropeptidase.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.