



Product Datasheet

Product Name	Enteropeptidase/Enterokinase, Light Chain Human Recombinant
Cata No	CB500440
Source	Escherichia Coli.
Synonyms	Enteropeptidase, EC 3.4.21.9, Enterokinase, Serine protease 7, ENTK, MGC133046.

Description

Enteropeptidase or enterokinase is an enzyme involved in human digestion. It is produced by cells in the duodenum wall, and is secreted from duodenum's glands, the crypts of Lieberkühn, whenever ingested food enters the duodenum from the stomach. Enteropeptidase has the critical job of turning trypsinogen (a zymogen) to trypsin, indirectly activating a number of pancreatic digestive enzymes. Enteropeptidase is a serine protease enzyme (EC 3.4.21.9). Enteropeptidase is a part of the Chymotrypsin-clan of serine proteases, and is structurally similar to these proteins. Enteropeptidase Human 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 solution.

Formulation

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

Stability

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