Product Data Sheet

Product Name:	Enterokinase Bovine
Cat. No.:	GP21605
Batch No.:	1

Product Data

Purity	>98%	Source	Pichia pastoris.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Enteropeptidase; EC 3.4.21.9; Enterokinase; Serine protease 7; ENTK; MGC133046.		
Formulation	Bovine EK in 50mM Tris-HCl, pH 8.0, 0.5M NaCl and 50% glycerol.		

Introduction

Enteropeptidase or enterokinase is an enzymeinvolved in human digestion. It is produced by cells in the duodenum wall, and is secreted from duodenum's glands, the crypts of Lieberk?hn, 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 pancreaticdigestive enzymes.Enteropeptidase is a serine proteaseenzyme(EC3.4.21.9). Enteropeptidase is a part of the Chymotrypsin-clan of serine proteases, and is structurally similar to these proteins.

Stability

One year when stored at иC20°C . Please avoid freeze-thaw cycles.

Background

Enterokinase (rEK) Bovine Recombinant is the catalytic subunit of bovine enterokinase, which is expressed by the yeast and purified to yield a high enzyme activity preparation. EK recognizes the sequence Asp-Asp-Asp-Asp-Lys and cleaves the peptide bond after the lysine residue. The enzyme can be used to cleave any fusion protein that carries this sequence.Recombinant Bovine Enterokinase is a single glycosylated polypeptide chain containing 235 amino acids and having an MW of ~43kDa.

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