Creative Enzymes®

Enterokinase from Human, Recombinant

Cat. No. NATE-0227

Lot. No. (See product label)

Introduction

Description	Enteropeptidase (also called enterokinase) is an enzyme produced by cells of the duodenum and involved in human and animal digestion. It is secreted from intestinal glands (the crypts of Lieberkühn) following the entry of ingested food passing from the stomach. Enteropeptidase converts trypsinogen (a zymogen) into its active form trypsin, resulting in the subsequent activation of pancreatic digestive enzymes. Absence of enteropeptidase results in intestinal digestion impairment.
Synonyms	enterokinase; enteropeptidase; EC 3.4.21.9; 9014-74-8

Product Information

Species	Human
Source	CHO cells
Form	Lyophilized from 10 mM Sodium Phosphate, pH 7.5 + 1 mM Calcium Chloride.
EC Number	EC 3.4.21.9
CAS No.	9014-74-8
Molecular Weight	108.7 kDa
Activity	Type I, > 20 units/mg protein
Buffer	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to store in working aliquots at-20°C to-80°C.
Function	peptidase activity; scavenger receptor activity; serine-type endopeptidase activity