9051 Mira Mesa Blvd, #910094
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Trypsin Bovine

Trypsin Bovine Recombinant
RCP2454

Product Overview

Name	Trypsin Bovine

Description

Trypsin Bovine Recombinant

Introduction

Trypsin is a serine protease that hydrolyses proteins, it is found in the digestive system of numerous vertebrates. Trypsin is produced as the inactive proenzyme trypsinogen in the pancreas. Trypsin cleaves peptide chains at the carboxyl side of the amino acids lysine and arginine, except when either is followed by proline. Trypsin is secreted into the duodenum, where it acts to hydrolyses peptides into amino acids, which is necessary for the uptake of protein in the food even though peptides are smaller than proteins; they are still too big to be absorbed through the lining of the ileum. The optimal operating pH for Trypsins is about 8 and about 37°C temperature. In cystic fibrosis disease there is a deficiency in transport of trypsin and other digestive enzymes from the pancreas. Trypsin is widely used in various biotechnological processes since it's available in high quantity in the pancreases, and can be purified rather easily.

Source

Corn.

Physical Appearance

Sterile Filtered lyophilized powder.

Formulation

The protein was lyophilized without any additives.

Stability

Store the Bovine Trypsin between 2-8°C, do not freeze.

Purity

Greater than 90% as determined by SDS-PAGE.

Biological Activity

4,313 Units/mg.

Solubility

It is recommended to reconstitute the lyophilized Bovine Trypsin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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Trypsin Bovine is for research use only and not for use in diagnostic or therapeutic procedures.