Creative Enzymes®

Rat Trypsin

Cat. No. CEFX-034

Lot. No. (See product label)

Introduction

Description	Trypsin (EC 3.4.21.4) is a serine protease from the PA clan superfamily, found in the digestive system of many vertebrates, where it hydrolyses proteins. Trypsin is produced in the pancreas as the inactive protease trypsinogen. Trypsin cleaves peptide chains mainly at the carboxyl side of the amino acids lysine or arginine, except when either is followed by proline. It is used for numerous biotechnological processes. The process is commonly referred to as trypsin proteolysis or trypsinisation, and proteins that have been digested/treated with trypsin are said to have been trypsinized.

Product Information

Species	Rat
Source	Rat Pancreas
Form	Powder
EC Number	EC 3.4.21.4
Molecular Weight	25000
Activity	15-20 units/mg
Unit Definition	One unit will hydrolyze 1 μM of N-Benzoyl-Phe-Val-Arg-pNA per minute at pH 8.3 and 25°C.

Storage and Shipping Information

Storage	Store at 2-8°C