

Recombinant Bovine Trypsin

Catalog No.	CRT157A	Quantity:	1.0 mg
	CRT157B		5 mg
	CRT157C		50 mg

Description: Trypsin is a serine protease that hydrolyses proteins and 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. The optimal pH for Trypsins is about pH 8 at 37°C. 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 pancreas and can be easily purified.
Recombinant Bovine Trypsin is free from any animal and human sources.

Physical Appearance: Sterile Filtered lyophilized powder.

Source: Corn

Formulation: The protein was lyophilized without any additives.

Purity: > 90% as determined by RP-HPLC and SDS-PAGE.

Biological Activity: 3,650 Units/mg.

Reconstitution: It is recommended to reconstitute the lyophilized Bovine Trypsin in sterile distilled water at not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Bovine Trypsin although stable at room temp for 1 week, should be stored desiccated below -20°C. For long term storage, add a carrier protein (0.1% HSA or BSA). **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

