

## 32-5141: Recombinant Human Trypsin-1(Discontinued)

**Alternative Name** : Protease Serine 1 (Trypsin 1),TRY1,Cationic Trypsinogen, TRP1,TRYP1,TRY4,beta-trypsin,Digestive Zymogen,Nonfunctional Trypsin 1,Trypsinogen 1,Trypsinogen A,EC 3.4.21.4.

### Description

Source : Chinese Hamster Ovary cells. Trypsin-1 Human Recombinant produced in CHO cells is a 24.1kDa single polypeptide chain consisting of 224 amino acids. Trypsin-1, which belongs to the trypsin family of serine proteases, is localized to the T cell receptor beta locus on chromosome 7. Trypsin-1 is secreted by the pancreas and cleaved to its active form in the small intestine. Trypsin-1 operates on peptide linkages involving the carboxyl group of lysine or arginine. Alterations are the cause for hereditary pancreatitis.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The Trypsin-1 filtered 0.22um solution (1.06mg/ml) contains 20mM TRIS\*HCl buffer pH 7.2.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** IVGGYNCEEN SVPYQVSLNS GYHFCGGS LI NEQWVVSAGH CYKSRIQVRL GEHNIEVLEG NEQFINAAKI  
 IRHPQYDRKT LNNDIMLIK L SSRAVINARV STISLPTAPP ATGTKCLISG WGNTASSGAD YPDELQCLDA  
 PVLSQAKCEA SYPGKITSNM FCVGFLEGGK DSCQGDSSGGP VVCNGQLQGV VSWGDGCAQK  
 NKPGVYTKVY NYVKWIKNTI AANS.

### Application Note

1 unit hydrolyzes 1 Åµmole of Na-Benzoyl-D,L-arginine 4-nitroanilide (BANI) per minute at 37Å°C, pH 8.0, in the presence of 10mM calcium.

