
Product Data Sheet

Product Name: Trypsin-1 Human
 Cat. No.: GP24900
 Batch No.: 1

Product Data

Purity	>98%	Source	Chinese Hamster Ovary cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	IVGGYNCEEN SVPYQVSLNS GYHFCGGSLI NEQWVVSAGH CYKSRIQVRL GEHNIEVLEG NEQFINAAKI IRHPQYDRKT LNNDIMLIK LSSRAVINARV STISLPTAPP ATGTKCLISG WGNTASSGAD YPDELQCLDA PVLSQAKCEA SYPGKITSNM FCVGFLEGGK DSCQGDSSGP VVCNGQLQGV VSWGDCGAQK NKPGVYTKVY NYVKWIKNTI AANS.		
Formulation	The Trypsin-1 filtered 0.22um solution contains 20mM TRIS-HCl buffer pH 7.2.		

Introduction

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.

Biological Activity

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

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Trypsin-1 Human Recombinant produced in CHO cells is a 24.1kDa single polypeptide chain consisting of 224 amino acids.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA