
Product Data Sheet

Product Name: Trypsin-2 Human

Cat. No.: GP24899

Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition Shipped at Room temp.

Solubility It is recommended to reconstitute the lyophilized Human Trypsin in sterile 1mM HCl or 50mM HAC not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Formulation The protein was lyophilized without any additives.

Introduction

Trypsin (EC3.4.21.4) is part of the serine protease family. Trypsin cleaves lysine and arginine at the C-terminal side of the peptide. The hydrolysis rate is slower if an acidic residue is on either sides of the cleavage site and no cleavage occurs if a proline residue is on the carboxyl side of the cleavage site. Trypsin optimum pH is pH-7 to 9. Trypsin will also hydrolyze ester and amide linkages of synthetic derivatives of amino acids such as: benzoyl L-arginine ethyl ester (BAEE), p-toluenesulfonyl- L-arginine methyl ester (TAME), tosyl-L-arginine methyl ester, N- α -L-benzoyl-L-arginine p-nitroanilide (BAPNA), L-lysyl-p-nitroanilide, and benzoyl-L-tyrosine ethyl ester (BTEE). Serine protease inhibitors that inhibit recombinant trypsin include TLCK (N-p-tosyl-L-lysine chloromethyl ketone), PMSF (phenylmethanesulfonyl fluoride), benzamidine, soybean trypsin inhibitor, and ovomucoid.

Biological Activity

2,800 units/mg.

Stability

Recombinant Human Trypsin although stable at room temp for 1 week, should be stored desiccated below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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

Background

Recombinant Human Trypsin-2 expressed in E.Coli having an Mw of 24kDa is purified by standard chromatography techniques.

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