



Recombinant Human Trypsin

Catlog Number: PE-1484

• Overview

Introduction: Trypsin is a serine protease that can cleave lysine and refined amino acids to form peptide bonds. Recombinant trypsin (recombinant human trypsin) is produced through recombinant E. Coli technology, and its amino acid sequence is completely consistent with that of human trypsin. Recombinant human trypsin exhibits the same enzymatic properties as animal-derived porcine trypsin and can be used as an alternative to porcine pancreatic trypsin in various biotechnological processes. Its activity is affected by serine protease inhibitors such as PMSF and Aprotinin, as well as metal ion chelating agents like EDTA, which inhibit enzyme activity.

Product Advantage: No animal origin: recombinant production, no exogenous virus contamination, production process does not use any raw materials of animal origin.

Quality: mass production, guarantees stable continuous batch production;

Products there is no difference between batches, quality.

Purity: high specific activity; host protein residues are less than the limit requirements of biological products.

Freeze-dried powder: easy to store and transport.

Compliance with regulatory requirements: Production equipment and production environment comply with relevant regulations Requirements. The production process is fully compliant. Follow NSF ISO 9001: 2015 quality system and comply GMP guiding principles.

Quality Document complete: press Customer demand, can provide relevant regulatory supporting documents.

Method of Use: Make used 1mM HCl Dissolving, Recombinant people Trypsin Concentration 1-10 mg/ml. When used, the amount of enzyme: target protein=1: 50-1: 1000, the most suitable pH is 7.0-11.0.

Product Use: Trypsin is an endopeptidase that can be used for lysine and arginine acid C, thereby cleaving large proteins into small peptides. Trypsin is



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Tel: 1-631-637-0420; 1-631-533-0595
Email: info@sustainable-bio.com
SUITE 206, 17 Ramsey Road, Shirley, NY 11967, USA



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widely used in various biotechnological processes, such as: cell culture cell separation of various tissues; denatured proteins; proteins; stem cell therapy; tumor.

• Specifications

Sizes: 1mg; 10mg; 100mg; 1g

CAS: 9002-07-7

EC: 3.4.21.4

Protein Sequence: Amino acid sequence and people trypsin is completely consistent.

Appearance: White, almost white powder

Freeze-dried Powder: $\geq 90\%$

Specific Activity: ≥ 2500 USP units/mg pro.

Purity: (HPLC) $\geq 95\%$

• Package and Storage

Storage: Storage temperature: 2-8°C

Storage stability: reorganization people trypsin freeze-dried powder in 2-8°C, 24 months stable; make used 1 mM HCl after dissolution

Storage in -20°C, re-freezing melting 10 times, no loss of activity.

Transportation: Transportation stability: blue ice insulation transport, stable activity.

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