

Active Recombinant Human Trypsin

Cat. No. Trypsin-851H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | <p>Recombinant Human Trypsin is free from any animal and human sources. Recombinant Human Trypsin expressed in Yeast and purified by standard chromatography techniques. Recombinant Human Trypsin is free from foreign enzymes such as carboxypeptidase A & chymotrypsin. Recombinant Human Trypsin is free from protease inhibitors such as PMSF and EDTA.</p> |
| Species | Human |
| Source | P.pastoris |
| Description | <p>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-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.</p> |
| Form | Sterile Filtered clear liquid solution. The protein is formulated with 1mM HCl and 20mM CaCl ₂ , pH-3. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



| | |
|---------------------|---|
| Bio-activity | 2,500 BAEE units/mg powder. |
| AA Sequence | IVGGYNCEENSVPYQVSLNSGYHFCGGSLINEQWVVSAGHCYKSRIQ VRLGEHNIE VLEGNEQFINAAKIIRHPQYDRKTLNNDIMLIKLSRAVINARVSTISLPTAPPATGTKC LISGWGNTASSGADYPDELQCLDAP VLSQAKCEASYPGKITSNMFCVGFLEGGKDS CQGDSGGPVVCNGQLQ GVVSWGDGCAQKNKPGVYTKVYNYVKWIKNTIAANS. |
| Stability | Recombinant Human Trypsin should be stored at 2-8°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). |

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA