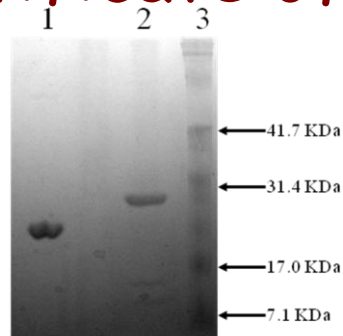


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Certificate of Analysis



12% SDS-PAGE - GelCode Blue Stain
1 ANHT-1107 (5 ug) Non-reduced
2 ANHT-1107 (5 ug) Reduced
3 Prestained Standard

Product: Anhydrotrypsin, Bovine – ANHT

Date: 9 November 2007

Lot: ANHT-1107

Molecular Weight: 23,300 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 5.5 $\epsilon^{0.1\%} = 1.43$
Concentration = 3.85 mg/mL

Activity:

0 U/mg Trypsin Activity on substrate S-2222

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 1m M HCl; 10mM CaCl₂

References:

1. Serpin reactive center loop mobility is required for inhibitor function but not for enzyme recognition
DA Lawrence, ST Olson, S Palaniappan, and D Ginsburg. J. Biol. Chem., Nov 1994; 269: 27657 - 27662.
2. The effective use of immobilized anhydrotrypsin for the isolation of biologically active peptides containing L-arginine residues in C-termini. H Yokosawa and S Ishii. Biochem Biophys Res Commun, Oct 1976; 72(4): 1443-9.
3. Resolution of alpha and beta anhydrotrypsin by affinity chromatography. BY Yung and CG Trowbridge. Biochem Biophys Res Commun, August 4, 1975: 65(3): 927-30.

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