

## Human Recombinant Lung $\beta$ II Tryptase

Cat. No. EXTZ-181

Lot. No. (See product label)

### Introduction

**Description** Mast cells are found in many tissues, and involved in a variety of physiological and pathophysiological states. Human  $\beta$ -tryptase, an enzyme with trypsin-like activity in mast cells, is an important target for the treatment of inflammatory and allergy related diseases. Human Recombinant Lung  $\beta$ II Tryptase is a fully active tetrameric enzymes, cloned and stably expressed in *Pichia pastoris*. It is purified by affinity chromatography without heparin for chromatographic studies. Western analysis of the recombinant enzyme and native lung tryptase demonstrated the glycosylation of Recombinant Lung  $\beta$ II Tryptase more closely resembling cadaveric enzyme. The specific activity of Human Recombinant Lung  $\beta$ II Tryptase is >1,200 units/mg protein, about 130–150% higher than native lung tryptase.

### Product Information

<b>Species</b>	Human
<b>Form</b>	Liquid
<b>EC Number</b>	EC 3.4.21.59
<b>Activity</b>	>1,200 units/mg protein
<b>Unit Definition</b>	Unit definition: One unit is defined as 1.0 absorbance unit change per minute.

### Storage and Shipping Information

<b>Storage</b>	- 20°C
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