

Elastase from Human Neutrophil

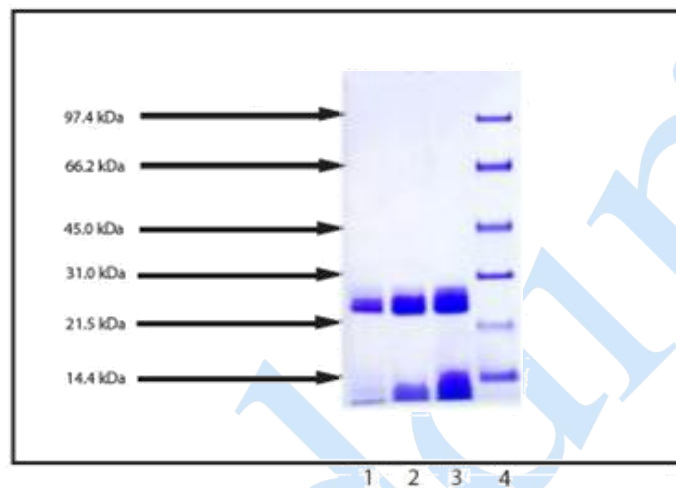
np001098

Storage temperature: -20°C. Avoid freeze/thaw cycle.

Introduction

This enzyme degrades elastin, collagen, and proteoglycan and has been implicated in the development of pulmonary emphysema and rheumatoid arthritis.

Prepared from whole blood shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.



SDS-PAGE:

4-12% Bis-Tris NuPAGE gel

1. Elastase - 5 µg (reduced / heated)
2. Elastase - 10 µg (reduced/ heated)
3. Elastase - 20 µg (reduced / heated)
4. LMW Standard

Molecular Weight: 29,500

Protein Determination: Extinction Coefficient (E) 0.1% at 1cm pathway 280nm ϵ =0.985

Considerations:

Storage Conditions: \leq -20°C

Stability > 1 year

Buffer: De-ionized water

Activity:

20-22 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes



one micromole of MeO-Suc-Ala-Ala-Pro-Val-pNA per minute at 25o C in 100 mM Tris-HCl, pH 7.5, with 500 mM NaCl.

Physical Specifications:

Lyophilized

Purity: >= 95% by SDS-PAGE

