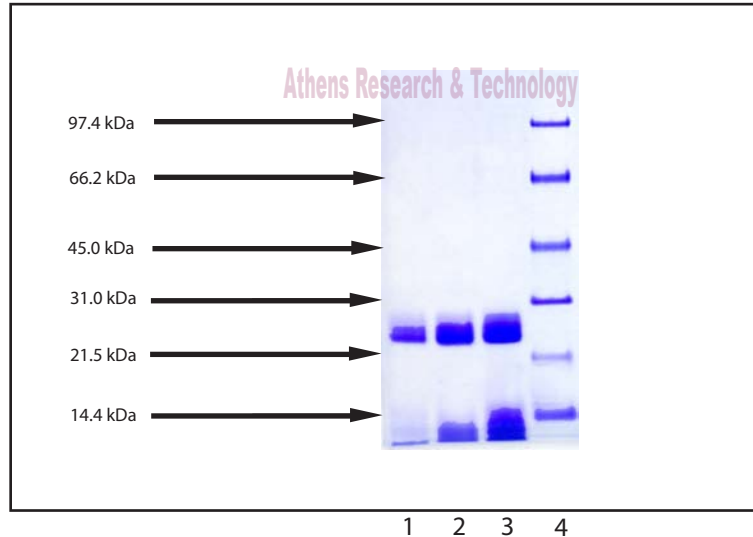


Athens Research & Technology

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Gel Scan of Representative Lot

Elastase, Human Neutrophil
ART Catalog No. 16-14-051200



SDS-PAGE:

12% Bis-Tris NuPAGE gel

1. Elastase - 5 μ g (reduced / heated)
2. Elastase - 10 μ g (reduced/ heated)
3. Elastase - 20 μ g (reduced / heated)
4. LMW Standard (BIO-RAD Cat. No. 161-0304)

Molecular Weight: 29,500

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = .985$

Activity:

20-22 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one micromole of Meo-suc-ala-pro-val-pNA per minute at 25°C in 100 mM Tris-HCl, pH 7.5, with 500 mM NaCl.

Physical Specifications:

Lyophilized
Purity: $\geq 95\%$ by SDS-PAGE

Considerations:

Storage Conditions: $\leq -20^\circ\text{C}$

Stability > 1 year

Buffer: De-ionized water

Virginia B. Patel PhD

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Product Datasheet

Product:	Elastase, Human Neutrophil
Catalog Number:	16-14-051200
Description:	Lyophilized
Buffer:	De-ionized water
Purity:	>=95% by SDS-PAGE
Activity:	20-22 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one micromole of Meo-suc-ala-pro-val-pNA per minute at 25°C in 100 mM Tris-HCl, pH 7.5, with 500 mM NaCl.
Molecular Weight:	MW 29,500
Protein Determination:	Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 0.985$
Storage:	<= -20° C
Stability:	> 1 year
Available Packaging:	100 µg per vial Larger aliquots upon request
Source:	Human Neutrophil
Testing:	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

**Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose.
For research or further manufacturing use only.**