

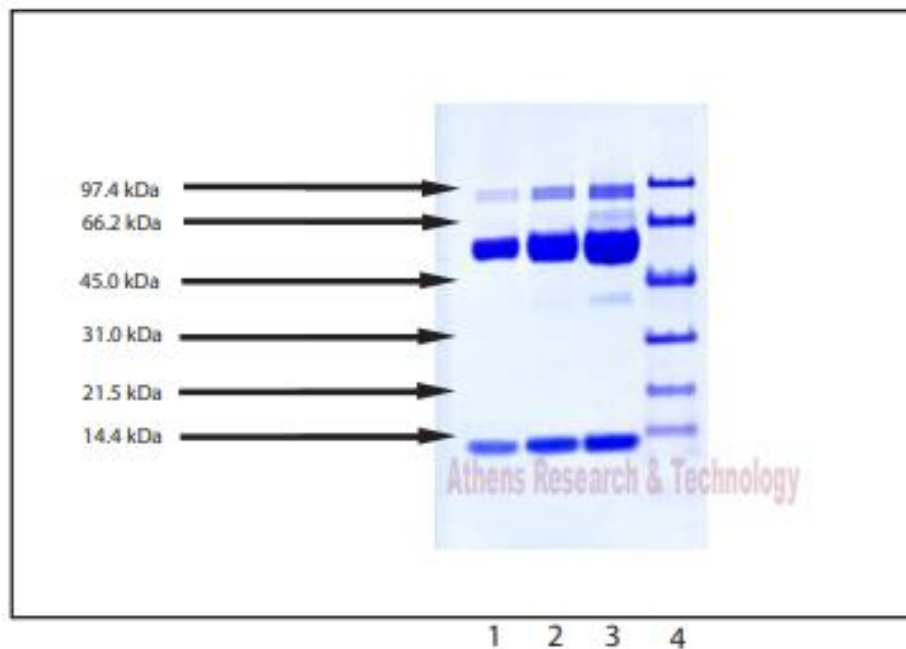
# Athens Research & Technology

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www.athensresearch.com

## Gel Scan of Representative Lot

### Myeloperoxidase, Human Neutrophil

ART Catalog No. 16-14-130000



**SDS-PAGE:** 4-12% Bis-Tris NuPAGE gel

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

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## Product Datasheet

Product:	Myeloperoxidase, Human Neutrophil
Catalog Number:	16-14-130000
Form:	Lyophilized
Buffer:	50 mM Sodium Acetate, pH 6.0 with 100 mM NaCl
Purity:	≥95% by SDS-PAGE
Activity:	180-220 units per mg protein after lyophilization. One unit of activity is defined as the amount of enzyme that will decompose one micromole of hydrogen peroxide per minute at 25°C, pH 6.1. Reaction mixture contains 30 mM sodium phosphate, pH 6.1, 30 mM guaiacol, and 0.0012% (0.35 mM) hydrogen peroxide.
Molecular Weight:	130,000 - 150,000 Da
Protein Determination:	Extinction Coefficient ( $E$ ) <sub>1 cm pathway</sub> <sup>0.1% at 280nm</sup> = 1.45
Storage:	≤ -20°C
Stability:	>1 year
Available Packaging:	100 µg, 1 mg per vial Larger aliquots may be available upon request
Source:	Human Neutrophils
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 use or for use in further manufacturing.**