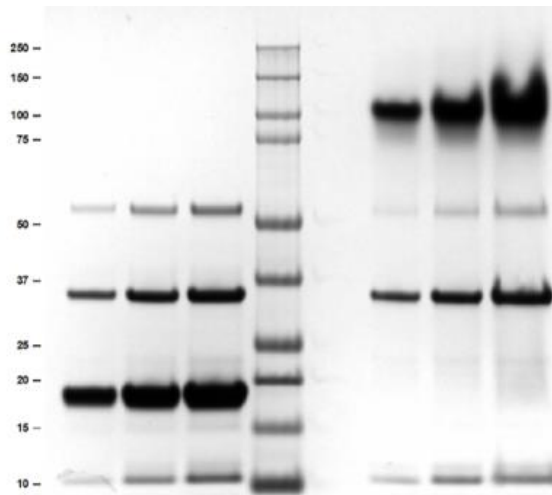


Gel Scan of Representative Lot Superoxide Dismutase

ART Catalog No. 16-05-191504



SDS-PAGE

4-12% Bis-Tris gel, 1x MES

1. Superoxide Dismutase 5 µg (Heated/Reduced)
2. Superoxide Dismutase 10 µg (Heated/Reduced)
3. Superoxide Dismutase 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Superoxide Dismutase 5 µg (Not Heated/Non-Reduced)
7. Superoxide Dismutase 10 µg (Not Heated/Non-Reduced)
8. Superoxide Dismutase 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 0.584 (0.1% at 280 nm, 1 cm pathway)

Considerations:

Storage Conditions: ≤ -20 °C
Stability: > 1 year

Molecular Weight:

16,000 Da

Buffer:

Lyophilized from 0.1 M potassium phosphate, pH 7.5

Physical Specifications:

Form: Lyophilized
Purity: ≥ 95% by SDS-PAGE

Your Distributor

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Tel.: +49 40 4320 8448 - 11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Superoxide Dismutase
Catalog #:	16-05-191504
Form:	Lyophilized
Available Packaging:	100 µg. Larger aliquots are available upon request.
Buffer:	Lyophilized from 0.1 M potassium phosphate, pH 7.5
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	16,000 Da
Protein Determination:	Extinction Coefficient (E) = 0.584 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -20 °C
Stability:	> 1 year
Activity:	> 50,000 Units/mg protein. One unit is defined as the amount of enzyme that will inhibit by 50% the formation of a colorimetric indicator by O ₂ in an xanthine/xanthine oxidase coupled system.
Source:	Human Erythrocytes
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Donor red blood cell units were tested individually by the supplier and found non-reactive for HIV-1/2, Hepatitis B (HBsAg and HBV DNA), Hepatitis C (HCV Ab and HCV RNA), syphilis, West Nile virus (WNV), and Chagas (T. cruzi). Blood group and Rh type were also confirmed. Testing documentation is maintained and available upon request.

Product Link: <https://www.athensresearch.com/products/all/superoxide-dismutase-human-erythrocyte>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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