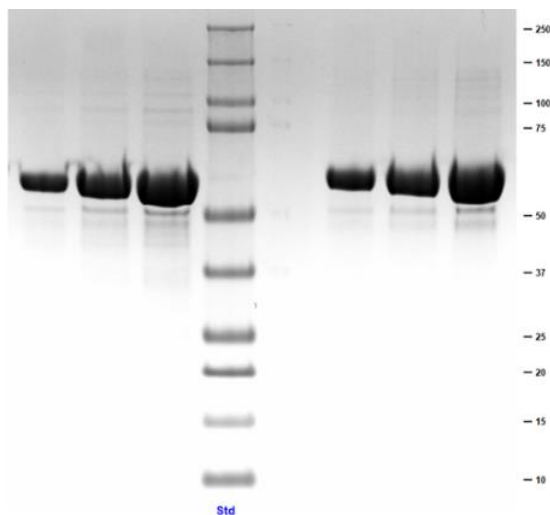


Gel Scan of Representative Lot Catalase

ART Catalog No. 16-05-030000



SDS-PAGE

4-12% Bis-Tris gel

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

Protein Determination:

Extinction Coefficient (E) = 1.39 (0.1% at 280 nm, 1cm pathway)

Considerations:

Storage Conditions: ≤ -70 °C
Stability: > 1 year

Molecular Weight:

230,000 Da

Buffer:

50 mM Tris-HCl, pH 8.0

Physical Specifications:

Form: Frozen

Purity: ≥ 95% by SDS-Page

Your Distributor

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Tel.: +49 40 4320 8448 - 0
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www.active-bioscience.de



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Active Bioscience GmbH
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D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Catalase
Catalog #:	16-05-030000
Form:	Frozen
Available Packaging:	500 µg and 1 mg. Larger aliquots are available upon request.
Buffer:	Frozen in 50 mM Tris-HCl, pH 8.0.
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	230,000 Da
Native Structure:	Homotetramer
Subunit:	58,000 Da
Activity:	> 50,000 units/mg protein. One unit is equal to the amount of enzyme that will decompose 1 µmol of hydrogen peroxide per minute at 25 °C, pH 7.0.
Protein Determination:	Extinction Coefficient (E) = 1.39 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -70 °C
Stability:	> 1 year
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/catalase-human-erythrocyte>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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