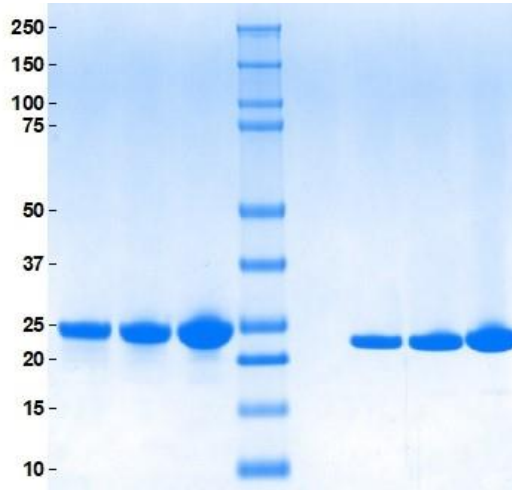


Gel Scan of Representative Lot

Elastase, Porcine, High Purity, Crystallized, > 50 U/mg

ART Catalog No. 16-19-051200-porcine



SDS-PAGE

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

1. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 5 µg (Heated/Reduced)
2. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 10 µg (Heated/Reduced)
3. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 5 µg (Not Heated/Non-Reduced)
7. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 10 µg (Not Heated/Non-Reduced)
8. Elastase, Porcine, High Purity, Crystallized, > 50 U/mg 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 2.02 (0.1% at 280 nm, 1 cm pathway)

Considerations:

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

Molecular Weight:

25,000 Da

Buffer:

Prepared via crystallization. Lyophilized from 1 mM acetic acid and 50 mM trehalose.

Physical Specifications:

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

Your Distributor

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 Tel.: +49 40 4320 8448 - 0
order@active-bioscience.de
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Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg

Product Datasheet

| | |
|-------------------------------|--|
| Product: | Elastase, Porcine, High Purity, Crystallized, > 50 U/mg |
| Catalog #: | 16-19-051200-porcine |
| Form: | Lyophilized |
| Available Packaging: | 250 and 1,000 units. Larger aliquots are available upon request. |
| Buffer: | Prepared via crystallization. Lyophilized from 1 mM acetic acid and 50 mM trehalose. |
| Purity: | ≥ 95% by SDS-PAGE |
| Contaminants: | < 0.2% Chymotrypsin |
| Molecular Weight: | 25,000 Da |
| Protein Determination: | Extinction Coefficient (E) = 2.02 (0.1% at 280 nm, 1 cm pathway) |
| Activity: | 70.4 units/mg protein before lyophilization. One unit is defined as the amount of enzyme that hydrolyzes 1 μmol of Suc-Ala-Ala-Pro-Abu-pNA per minute at 25 °C |
| Storage/Handling: | ≤ -20 °C |
| Stability: | > 1 year |
| Source: | Porcine Pancreatin |
| Testing: | This material is a food-grade porcine pancreatin powder derived from USDA-inspected animals in the United States. It has been tested by the supplier and confirmed to be negative for Salmonella species and E. coli, with total aerobic microbial counts well within established limits. Testing follows USP and AOAC methods. This product is not intended for injectable use or applications requiring viral donor screening. |

Product Link: <https://www.athensresearch.com/products/all/elastase-porcine-pancreas-high-purity-crystallized>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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