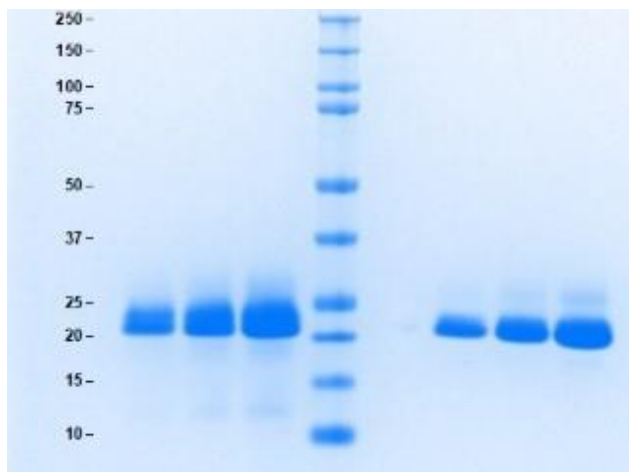


## Gel Scan of Representative Lot Trypsin

ART Catalog No. 16-19-032000



### SDS-PAGE

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

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

### Protein Determination:

Extinction Coefficient (E) = 1.45 (0.1% at 280 nm,  
1 cm pathway)

### Molecular Weight:

21,000 - 23,000 Da

### Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-PAGE

### Considerations:

Storage Conditions: ≤ -20 °C

Stability: > 1 year

### Buffer:

Salt-free lyophilized from 2 mM HCl.

## Product Datasheet

<b>Product:</b>	Trypsin
<b>Catalog #:</b>	16-19-032000
<b>Form:</b>	Lyophilized
<b>Available Packaging:</b>	100 µg and 1 mg. Larger aliquots available on request
<b>Buffer:</b>	Salt-free lyophilized from 2 mM HCl.
<b>Purity:</b>	≥ 95% by SDS-PAGE
<b>Activity:</b>	2.5 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one µmole of N-benzoyl-DL-arginine-pNA per minute at 25 °C in 200 mM Tris-HCl, pH 7.8, with 20 mM CaCl <sub>2</sub> .
<b>Molecular Weight:</b>	21,000 - 23,000 Da
<b>Protein Determination:</b>	Extinction Coefficient (E) = 1.45 (0.1% at 280 nm, 1 cm pathway)
<b>Storage/Handling:</b>	≤ -20 °C
<b>Stability:</b>	> 1 year
<b>Source:</b>	Human Pancreas
<b>Testing:</b>	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Pancreas-derived materials are obtained from donors screened by the supplier for HIV-1/2, HBV, HCV, HBsAg, and syphilis (RPR). Detailed testing results are retained and can be reviewed on request.

**Product Link:** <https://www.athensresearch.com/products/all/trypsin-human-pancreas>

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