



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Trypsinogen

|           |                                                                                           |
|-----------|-------------------------------------------------------------------------------------------|
| Cat. No.: | HY-P2823                                                                                  |
| CAS No.:  | 9002-08-8                                                                                 |
| Target:   | Biochemical Assay Reagents; Endogenous Metabolite                                         |
| Pathway:  | Others; Metabolic Enzyme/Protease                                                         |
| Storage:  | Please store the product under the recommended conditions in the Certificate of Analysis. |

## Trypsinogen

### BIOLOGICAL ACTIVITY

#### Description

Trypsinogen, a proenzyme synthesized in the pancreas, is activated to form trypsin by enterokinase upon reaching the small intestine lumen, where it opens a hexapeptide bond at the Lys6 - Ile7 junction, leading to the production of the active enzyme. This single polypeptide chain, composed of 229 amino acids and stabilized by six disulfide bridges, further autocatalytically converts additional trypsinogen into trypsin, which is initially present as  $\beta$ -trypsin before undergoing autolysis at the Lys131 - Ser132 site to form  $\alpha$ -trypsin. As a serine protease, trypsin features His46 and Ser183 at its active site and exhibits optimal enzymatic activity at a pH range of 7 to 9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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