

Product datasheet

Native cow Trypsin protein ab93263

[1 Image](#)

Description

Product name	Native cow Trypsin protein
Biological activity	Activity: 0 U/mg Trypsin Activity.
Purity	> 95 % SDS-PAGE. ab93263 is a single chain beta-form prepared from Type XIII bovine trypsin.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Cow
Additional sequence information	Source = prepared from Type XIII bovine trypsin (bovine pancreas)

Specifications

Our **Abpromise guarantee** covers the use of **ab93263** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

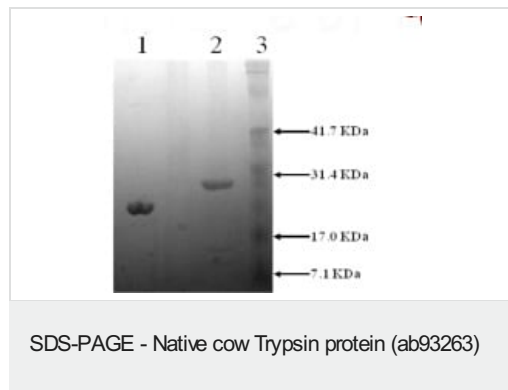
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 3 Constituents: 0.0036% Hydrochloric acid, 0.111% Calcium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Has activity against the synthetic substrates Boc-Phe-Ser-Arg-Mec, Boc-Leu-Thr-Arg-Mec, Boc-Gln-Ala-Arg-Mec and Boc-Val-Pro-Arg-Mec. The single-chain form is more active than the two-chain form against all of these substrates.
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Involvement in disease	Defects in PRSS1 are a cause of hereditary pancreatitis (HPC) [MIM:167800]; also known as chronic pancreatitis (CP). HPC is an autosomal dominant disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks.
Sequence similarities	Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain.
Post-translational modifications	Occurs in a single-chain form and a two-chain form, produced by proteolytic cleavage after Arg-122.
Cellular localization	Secreted > extracellular space.

Images



12% SDS-PAGE

Lane 1: Trypsin (5 ug) Non-reduced

Lane 2: Trypsin (5 ug) Reduced

Lane 3: Prestained Standard

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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