

Product datasheet

Recombinant Rat Trypsin protein ab240857

1 Image

Description	
Product name	Recombinant Rat Trypsin protein
Purity	> 85 % SDS-PAGE.
Expression system	Yeast
Accession	<b><u>P12788</u></b>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	MGGYTCPKHLVPYQVSLHDGISHQCGGSLISDQWWLSAA HCYKRKLQVR LGEHNIHVLEGGEQFIDAEKIIRHPEYNKDTLDNDIMLIKLS PAVLNSQ VSTVSLPRSCASTDAQCLVSGWGNTVSIGGKYPALLQCL EAPVLSASSCK KSYPGQITSNMFCLGFLEGGKDSCDGDSSGGPVVCNGEIQ GIVSWGSVCAM RGKPGVYTKVCNYLSWIQETMANN
Predicted molecular weight	26 kDa including tags
Amino acids	24 to 247
Tags	His tag N-Terminus
Additional sequence information	Full length mature chain without the signal peptide. N-terminal 6xHis-tagged

Specifications	
Our <b><u>Abpromise guarantee</u></b> covers the use of <b>ab240857</b> 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 at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.20

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

## 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.

### 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.

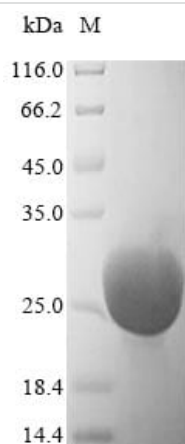
### Post-translational modifications

Occurs in a single-chain form and a two-chain form, produced by proteolytic cleavage after Arg-122.

### Cellular localization

Secreted > extracellular space.

## Images



SDS-PAGE - Recombinant Rat Trypsin protein  
(ab240857)

Analysis of ab240857 by (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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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