

## Product datasheet

# Recombinant *E. coli* Chimeric Chagas Multiantigen protein ab187210

### Description

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<b>Product name</b>	Recombinant <i>E. coli</i> Chimeric Chagas Multiantigen protein
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Escherichia coli
<b>Predicted molecular weight</b>	10 kDa including tags
<b>Additional sequence information</b>	Recombinant Chimeric Chagas Multiantigen (MACH) ( <i>Trypanosoma cruzi</i> ) is a polypeptide chain of 87 amino acids with epitopes PEP-2, TcD, TcE and SAPA.

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab187210** in the following tested applications.

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

<b>Applications</b>	ELISA
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. pH: 8.50 Preservative: 0.1% Sodium azide Constituents: 0.58% Sodium chloride, 20% Trehalose, 0.24% Tris
<b>Reconstitution</b>	It is recommended to reconstitute in sterile water not less than 100g/ml, which can then be further diluted to other aqueous solutions.

### General Info

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<b>Relevance</b>	<i>Trypanosoma cruzi</i> , better known as T. cruzi, is a deadly parasite that causes Chagas' disease. This disease is a chronic infection, which primarily affects the heart and nervous system, causing
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severe neurological disorders, as well as swelling or denervation of nervous tissue in the heart, colon and esophagus. Chagas disease often goes undiagnosed due to close association of symptoms to heart disease and a variety of other disorders. The organism can circulate in the blood of infected patients for many years after infection, and can lead to transfusion acquired infections in blood recipients from these infected donors. Contaminated blood transfusions are suspected to be the primary way in which the parasite has been transmitted to industrialized countries.

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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