

## Product datasheet

# Recombinant Human S100A5 protein ab104750

1 Image

### Description

<b>Product name</b>	Recombinant Human S100A5 protein
<b>Purity</b>	> 90 % SDS-PAGE. ab104750 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P33763</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHHSSGLVPRGSHMETPLEKALTTMVTTFHK</b> <b>YSGREGSKLTLS</b> <b>RKELKELIKKELCLGEMKESSIDDLMKSLDKNSDQEIDFK</b> <b>EYSVFLTMLC MAYNDFFLEDNK</b>
<b>Predicted molecular weight</b>	13 kDa including tags
<b>Amino acids</b>	1 to 92
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab104750** 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>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 8.00

Constituents: 0.00174% PMSF, 0.0154% DTT, 0.316% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## General Info

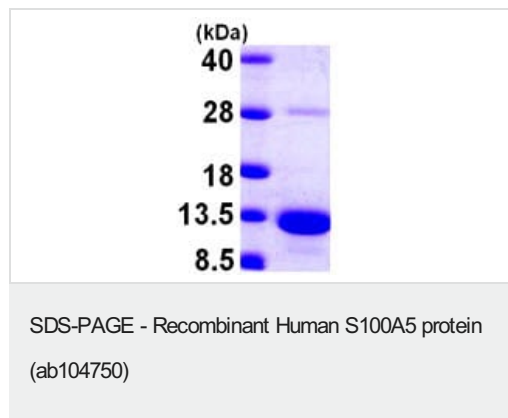
### Function

Binds calcium, zinc and copper. One subunit can simultaneously bind 2 calcium ions or 2 copper ions plus 1 zinc ion. Calcium and copper ions compete for the same binding sites.

### Sequence similarities

Belongs to the S-100 family.  
Contains 2 EF-hand domains.

## Images



15% SDS-PAGE (3µg).

**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
- 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
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