

## Product datasheet

# Recombinant Human S100A5 protein ab125665

### Overview

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<b>Product name</b>	Recombinant Human S100A5 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Accession</b>	<a href="#">P33763</a>
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH METPLEKALT TMVTTFHKYS GREGSKLTLR RKEKELIKK ELCLGEMKES SIDDLMKSLD KNSDQEIDFK EYSVFLTMLC MAYNDFLED NK
<b>Molecular weight</b>	13 kDa including tags
<b>Amino acids</b>	1 to 92
<b>Tags</b>	His tag N-Terminus

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab125665** 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
<b>Purity</b>	> 90 % SDS-PAGE. Purified by proprietary chromatographic techniques.
<b>Form</b>	Liquid
<b>Additional notes</b>	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
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pH: 8.00

Constituents: 0.002% PMSF, 0.02% DTT, 0.32% Tris HCl, 30% Glycerol, 0.58% Sodium chloride

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## General Info

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the S-100 family. Contains 2 EF-hand domains.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
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