

# Human S100A9 (His Tag) recombinant protein



Catalog Number: 504163

## General Information

### Gene Name Synonym

Calgranulin-B; Calprotectin L1H subunit; Leukocyte L1 complex heavy chain; Migration inhibitory factor-related protein 14; S100 calcium-binding protein A9

### Protein Construction

A DNA sequence encoding the human S100A9 (NP\_002956.1) (Met 1-Pro 114) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by its ability to bind recombinant human S100A8-his in a functional ELISA.
2. Measured by its ability to bind recombinant human his-S100A8 in a functional ELISA.
3. Measured by its ability to inhibit the proliferation of MCF7 human breast adenocarcinoma cells. The ED<sub>50</sub> for this effect is typically 10-30 µg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human S100A9 consists of 124 amino acids and predicts a molecular mass of 14.6 kDa. It migrates as an approximately 16 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

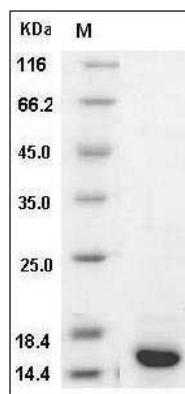
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human S100A9 / CAGB / p14 Protein (His Tag)  
SDS-PAGE