# **Human S100A1 recombinant protein**

Catalog Number: 503506



## **General Information**

## Gene Name Synonym

S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1

### **Protein Construction**

A DNA sequence encoding the human S100A1 (NP\_006262.1) (Met 1-Ser 94) was expressed.

## **Organism**

Human

## **Expression Host**

E. coli

## **QC Testing**

## Activity

- 1. Measured by its binding ability in a functional ELISA.
- 2. Immobilized recombinant human Fc-S100B (Cat:504144) at 10  $\mu$ g/mL (100  $\mu$ l/well) can bind biotinylated human S100A1 (Cat:503506) with a linear range of 15.6-250 ng/mL.
- 3. Measured by its ability to bind human His-S100B (Cat:500182) in functional ELISA.

### **Purity**

> 97 % as determined by SDS-PAGE

#### **Endotoxin**

Please contact us for more information.

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\text{C}$ 

#### **Predicted N terminal**

Met 1

## **Molecular Mass**

The recombinant human S100A1 consists of 94 amino acids and has a predicted molecular mass of 10.5 kDa.

#### **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**

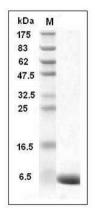
## **Storage**

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 S100A1 Protein SDS-PAGE