

# Human S100B (His Tag) recombinant protein



Catalog Number: 500182

## General Information

### Gene Name Synonym

S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein B

### Protein Construction

A DNA sequence encoding the human S100B (NP\_006263.1) (Ser 2-Glu 92) was fused with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

1. Measured by its ability to bind human AGER in a functional ELISA.
2. Measured by its ability to bind TP53 in a functional ELISA.

### Purity

> 90 % 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°C

### Predicted N terminal

Met

## Molecular Mass

The recombinant human S100B consisting of 102 amino acids and migrates as an approximately 12 kDa band in SDS-PAGE under reducing conditions as predicted.

## Formulation

Lyophilized from sterile PBS, 10% glycerol, pH 7.5  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

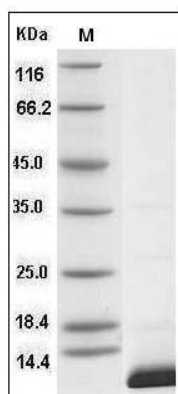
### Storage

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 S100B Protein (His Tag) SDS-PAGE