

# Mouse S100B (Fc Tag) recombinant protein



Catalog Number: 501138

## 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 mouse S100B (P50114) (Ser2-Glu92) was expressed with the fused Fc region of human IgG1 at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant mouse S100B-Fc (Cat:501138) at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human AGER (Cat:11629-HNCH) with a linear range of 0.03-0.5 µg/ml.

### Purity

> 80 % 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

Glu

### Molecular Mass

The recombinant mouse S100B/Fc comprises 351 amino acids and has a predicted molecular mass of 39 kDa. The apparent molecular mass of the protein is approximately 41 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

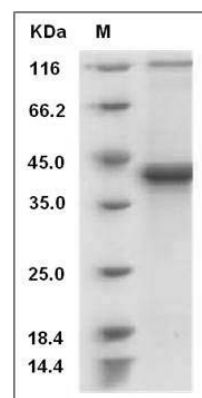
### Storage

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



Mouse S100B / S100beta Protein (Fc Tag) SDS-PAGE