

# Human HMGB1/HMG1 (Fc Tag) recombinant protein



Catalog Number: 503685

## General Information

### Gene Name Synonym

High mobility group protein 1

### Protein Construction

A DNA sequence encoding the human HMGB1 protein (NP\_002119.1) (Met 1-Glu 215) was expressed with the fused Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse AGER at 2 µg/ml (100 µl/well) can bind human HMGB1. The EC<sub>50</sub> of human HMGB1 is 0.23 µg/ml.

### Purity

> 97 % 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 20

### Molecular Mass

The recombinant human HMGB1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 452 amino acids and has a predicted molecular mass of 51.5 kDa. As a result of glycosylation, the apparent molecular mass of rhHMGB1/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, 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

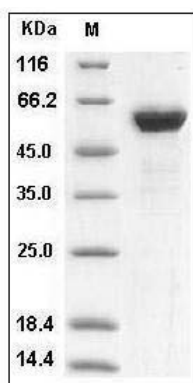
### Storage

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 HMGB1 / HMG1 Protein (Fc Tag) SDS-PAGE