

# Human HMGB1/HMG1 (His Tag) recombinant protein



Catalog Number: 504129

## 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 fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human HMGB at 2 µg/ml (100 µl/well) can bind human AGER. The EC<sub>50</sub> of human AGER is 0.27 µg/ml.

### Purity

> 93 % 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 1

### Molecular Mass

The recombinant human HMGB1 consists of 226 amino acids and has a predicted molecular mass of 26.3 kDa. As a result of glycosylation, the apparent molecular mass of rhHMGB1 is approximately 30-34 kDa 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

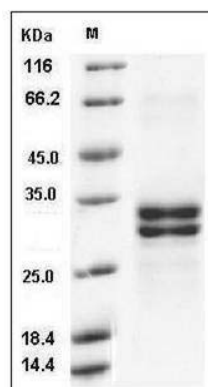
### Storage

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 HMGB1 / HMG1 Protein (His Tag) SDS-PAGE