

# Human HMGB1/HMG1 (His Tag) recombinant protein



Catalog Number: 500788

## General Information

### Gene Name Synonym

High mobility group protein 1

### Protein Construction

A DNA sequence encoding the mature form of human HMGB1 (P09429) (Lys57-Asp158) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Immobilized human His-HMGB1 at 10 µg/ml (100 µl/well) can bind AGER-Fc (Cat:501347) with a linear range of 0.31-2.5 µg/ml.

### 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

His

## Molecular Mass

The recombinant human HMGB1 consists of 117 amino acids and predicts a molecular mass of 13.6 KDa. It migrates as an approximately 15 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, 20% Glycerol, 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

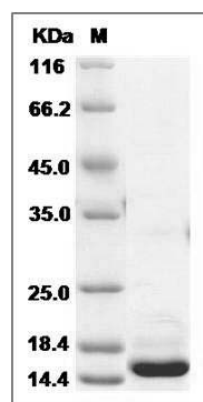
### Storage

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