# Mouse HMGB1/HMG1 (Fc Tag) recombinant protein

Catalog Number: 500012



## **General Information**

## Gene Name Synonym

High mobility group protein 1

#### **Protein Construction**

A DNA sequence encoding the mouse HMGB1 (P63158) (Met 1-Glu 215) was fused with the Fc region of human IgG1 at the N-terminus.

## **Organism**

Mouse

## **Expression Host**

**Human Cells** 

# **QC Testing**

## Activity

Measured by its ability to bind mouse AGER-His in functional ELISA.

#### **Purity**

> 85 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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 HMGB1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 475 amino acids and has a calculated molecular mass of 53.3 kDa. The apparent molecular mass of the monomer is approximately 57 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**

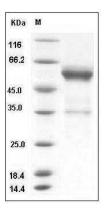
## **Storage**

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**



Mouse HMGB1 / HMG1 Protein (Fc Tag) SDS-PAGE