

## 32-18430: Human HMGB1 Protein, His Tag

**Uniprot ID :** P09429  
**Alternative Name :** HMG1; HMG3; HMG-1; SBP-1

### Description

**Description :** Recombinant human HMGB1 Protein with C-terminal 6 $\text{\AA}$ —His tag

**Background :** This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.

**Molecular Characterization:** mass of 25.7 kDa after removal of the signal peptide. The apparent molecular mass of HMGB1-His is approximately 15-35 kDa due to glycosylation.

**Tag :** C-6 $\text{\AA}$ —His tag

### Product Info

**Amount :** 50  $\mu\text{g}$  / 100  $\mu\text{g}$

**Purification :** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

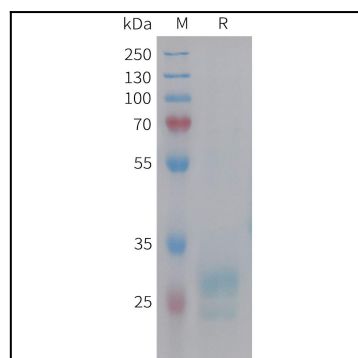


Figure 1. Human HMGB1 Protein, His Tag on SDS-PAGE under reducing condition.