

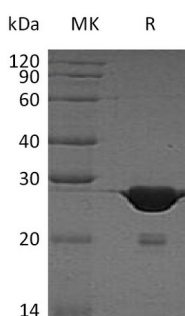
**Product Name: Recombinant Human HMGB1 (C-6His)**  
**Catalog #: PHH0800**



## Summary

|                                 |  |
|---------------------------------|--|
| <b>Name</b>                     | HMGB1/HMG-1  |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE  |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.  |
| <b>Construction</b>             | Recombinant Human High Mobility Group Protein B1 is produced by our Mammalian expression system and the target gene encoding Gly2-Glu215 is expressed with a 6His tag at the C-terminus. |
| <b>Accession #</b>              | P09429   |
| <b>Host</b>                     | Human Cells  |
| <b>Species</b>                  | Human  |
| <b>Predicted Molecular Mass</b> | 25.8 KDa   |
| <b>Formulation</b>              | Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.   |
| <b>Shipping</b>                 | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.   |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.                     |
| <b>Reconstitution</b>           | 0.00.0   |

## SDS-PAGE image



## Background

|                          |   |
|--------------------------|---|
| <b>Alternative Names</b> | High Mobility Group Protein B1; High Mobility Group Protein 1; HMG-1; HMGB1; HMG1   |
| <b>Background</b>        | High mobility group protein B1 is a member of the HMGB family consisting of three members, HMGB1, HMGB2 and HMGB3. It contains 2 HMG box DNA- |

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binding domains entitled box A and box B and It is a highly negative-charged C terminus. As a nuclear protein, HMGB1 stabilizes nucleosomes and allows bending of DNA that facilitates gene transcription which is essential for individual survival. Meanwhile, it is revealed that HMGB1 can also act as a cytokine extracellularly and regulates monocyte, T cell, dendritic cell activities in inflammatory responses.

### **Note**

For Research Use Only , Not for Diagnostic Use.