**Product Name: Recombinant Human HMGB3 (C-6His)**
**Catalog #: PHH0802**

## Summary

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|---|---|
| **Name** | HMGB3/High mobility group protein B3 |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Human High Mobility Group Protein B3 is produced by our Mammalian expression system and the target gene encoding Met1-Glu200 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | O15347 |
| **Host** | Human Cells |
| **Species** | Human |
| **Predicted Molecular Mass** | 24 KDa |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 8% Trehalose, 2% Mannitol, 0.05% Tween80, 2mM EDTA, pH7.0. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

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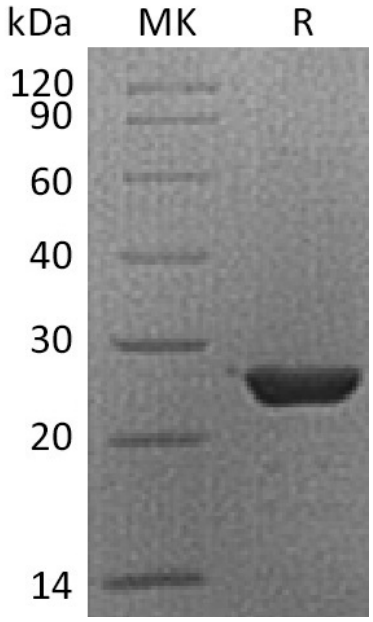


## Alternative Names

High Mobility Group Protein B3; High Mobility Group Protein 2a; HMG-2a; High Mobility Group Protein 4; HMG-4; HMGB3; HMG2A; HMG4

## Background

High Mobility Group Protein B3 (HMGB3) belongs to the HMGB family. Members of the HMG box subfamily are thought to be have an important role in DNA replication, nucleosome assembly and transcription. HMGB3 binds preferentiallly single-stranded DNA and unwinds double stranded DNA. HMGB3 consists of 200 amino acids and is localized to the cell nucleus. It contains two HMG box DNA-binding domain. HMGB3 binds preferentially single-stranded DNA and unwinds double stranded DNA.

## Note

For Research Use Only , Not for Diagnostic Use.