# Recombinant Human HMGB2 Protein (Met1-Glu209), C-His tagged, Animal-free, Carrier-free

**Cat. No.** HMGB2-147H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human HMGB2 Protein (Met1-Glu209) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Met1-Glu209 |
| **Description** | High mobility group protein B2, also known as HMGB2, is a member of the non-histone chromosomal high-mobility group protein family. High mobility group protein B2 is expressed as 25 kDa containing 209 amino acid residues. The function of High mobility group protein B2 is involved in transcription, chromatin remodeling and V(D)J recombination. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. |
| **Form** | Lyophilized |
| **Molecular Mass** | The protein has a calculated MW of 24.84 kDa.<br>The protein migrates as 34 kDa under reducing condition (SDS-PAGE analysis). |
| **Endotoxin** | < 0.1 EU/μg of the protein by the LAL method. |
| **Purity** | >98% as determined by SDS-PAGE analysis. |

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| **Storage** | This product is stable after storage at:<br>-20 centigrade for 12 months in lyophilized state from date of receipt.<br>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.<br>Avoid repeated freeze/thaw cycles. |
| **Storage Buffer** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0. |
| **Reconstitution** | It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage. |

## GENE INFORMATION

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| **Gene Name** | HMGB2 high mobility group box 2 [ Homo sapiens (human) ] |
| **Official Symbol** | HMGB2 |
| **Synonyms** | HMGB2; high mobility group box 2; high mobility group (nonhistone chromosomal) protein 2 , high mobility group box 2 , HMG2; high mobility group protein B2; HMG-2; high-mobility group box 2; high mobility group protein 2; high-mobility group (nonhistone chromosomal) protein 2; HMG2; |
| **Gene ID** | 3148 |
| **mRNA Refseq** | NM_001130688 |
| **Protein Refseq** | NP_001124160 |

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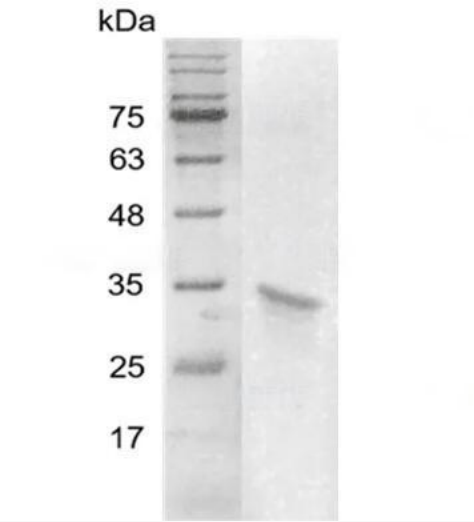
| **MIM** | 163906 |
| **UniProt ID** | P26583 |
| **SDS-PAGE analysis of recombinant human HMGB2.** |  |



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