# Recombinant Human HMGB1

**Cat. No.** HMGB1-29334TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length Human HMGB1, 233 amino acids, 25kDa, transfected in Baculovirus and expressed in High 5 cells. |
| **Species** | Human |
| **Description** | High-mobility group protein B1, also known as high-mobility group protein 1 (HMG-1) and amphoterin, is a protein that in humans is encoded by the HMGB1 gene. |
| **Form** | Liquid |
| **Purity** | >90% by SDS-PAGE |
| **Storage buffer** | Preservative: NoneConstituents: 10% Glycerol, 20mM Tris, 1mM EDTA, 0.5mM DTT, pH 8 |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Sequences of amino acids** | MGKGDPKKPR GKMSSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWKTMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPSAFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAAKLKEKYEKDIA AYRAKGKPDA AKKGVVKAEK SKKKKEEEED EEDEEDEEEEEDEEDEDEEE DDDDELEHHH HHH |
| **Sequence Similarities** | Belongs to the HMGB family.Contains 2 HMG box DNA-binding domains. |

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| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | HMGB1 high mobility group box 1 [ Homo sapiens ] |
| **Official Symbol** | HMGB1 |
| **Synonyms** | HMGB1; high mobility group box 1; high mobility group (nonhistone chromosomal) protein 1 , high mobility group box 1 , HMG1; high mobility group protein B1; Amphoterin; DKFZp686A04236; high mobility group protein 1; HMG3; SBP 1; Sulfoglucuronyl carbohydr |
| **Gene ID** | 3146 |
| **mRNA Refseq** | NM_002128 |
| **Protein Refseq** | NP_002119 |
| **MIM** | 163905 |
| **Uniprot ID** | P09429 |
| **Chromosome Location** | 13q12 |
| **Pathway** | Activated TLR4 signalling, organism-specific biosystem; Activation of DNA fragmentation factor, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; |

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| **Function** | DNA bending activity; DNA bending activity; DNA binding; RAGE receptor binding; calcium-dependent protein kinase regulator activity; |

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