

## Recombinant Human HMGB1, His-tagged

Cat. No. HMGB1-29332TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human HMGB1 with an N-terminal histidine tag.M.Wt 25 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitution of 1 vial with 1 ml of water to result with solution containing 20 mM HEPES buffer, pH 7.8, 150 mM NaCl, 0.2 mM EDTA, 0.1 % TRITON X-100, 2 mg/ml leupeptin, and 0.1 mM AEBSF.
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 0.1% Triton-X-100, 2mg/ml Leupeptin, 20mM HEPES, 150mM Sodium chloride, 0.2mM EDTA, 0.1mM AEBSF, pH 7.8
<b>Storage</b>	Store at +4°C. Aliquot and store at -20°C or -80°C when reconstituted. Avoid repeated freeze / thaw cycles.
<b>Sequence</b>	Belongs to the HMGB family.Contains 2 HMG box DNA-binding domains.

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**Similarities**

**Full Length** Full L.

**GENE INFORMATION**

**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

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biosystem;

**Function**

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

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