

# Recombinant Human High-mobility Group Box 1, His-tagged

Cat. No. HMGB1-532H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human HMGB1 was expressed in <i>High Five insect cells</i> and purified by conventional chromatography techniques. MW = 25kDa (223aa).
<b>Species</b>	Human
<b>Source</b>	Hi-5 Insect Cells
<b>Description</b>	High mobility group box1 protein (HMGB1) is a very abundant chromatin-binding protein residing in the eukaryotic cell nucleus and acting in the assembly of nucleoprotein complexes. Inside the cell, HMGB1 binds to DNA and has a role in transcriptional regulation. Outside the cell, HMGB1 acts as a cytokine and has activities that resemble those of tumor necrosis factor.
<b>Amino Acid Sequence</b>	MGKGDPPKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKA LKEKYEKDIA AYRAKGPDA AKKGVVKA EK SKKKKEEEE EDEEDEEEEE EDEEDEEEEE DDDDELEHHH HHH.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT, 1 mM EDTA, 10% glycerol.
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).

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**Endotoxin Level** < 1.0 EU per 1 µg of protein (determined by LAL method).

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [HMGB1 high-mobility group box 1 \[ Homo sapiens \]](#)

**Synonyms** HMGB1; DKFZp686A04236; HMG1; HMG3; SBP-1; HMG3; high-mobility group box 1; Amphoterin; OTTHUMP00000018199; OTTHUMP00000190860; high mobility group protein 1; Sulfoglucuronyl carbohydrate binding protein; high-mobility group (nonhistone chromosomal) protein 1; Amphoterin, High-Mobility Group Box 1

**Gene ID** [3146](#)

**mRNA Refseq** [NM\\_002128](#)

**Protein Refseq** [NP\\_002119](#)

**MIM** [601912](#)

**UniProt ID** [P09429](#)

**Chromosome Location** 13q12

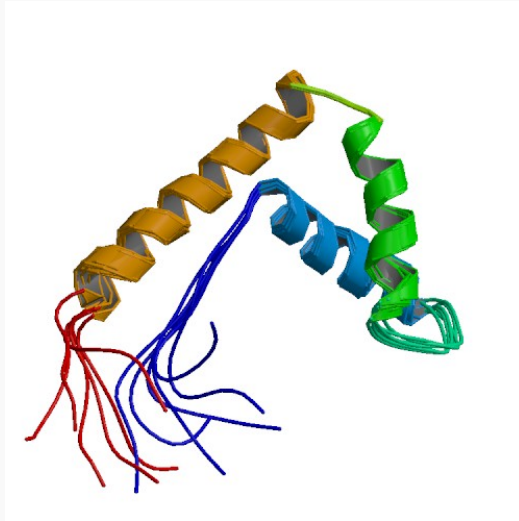
**Function** DNA bending activity; DNA binding; transcription factor binding

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