

Recombinant Human HMGB1

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

SPECIFICATION

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: None Constituents: 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	MGKGDPPKKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWKTMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPSAFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAACLKEKYEKIDIA AYRAKGKPDAAKKGVVKAEEKSKKKKEEEED EEDEEDEEEEEDEDEDEDEEE 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

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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