

Recombinant Human HMGB1 Protein, His-tagged

Cat. No. HMGB1-965H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGB1 Protein (Lys88-Tyr162) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Lys88-Tyr162
Description	This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 10.1 kDa; Accurate Molecular Mass: 15/16 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

HMGB1 high mobility group box 1 [Homo sapiens (human)]

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 carbohydrate binding protein; HMG-1; high-mobility group box 1; high-mobility group (nonhistone chromosomal) protein 1; HMG1; SBP-1;

Gene ID

3146

mRNA Refseq

NM_002128

Protein Refseq

NP_002119

MIM

163905

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UniProt ID

P09429



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