Recombinant Human HMGB1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human HMGB1 with an N-terminal histidine tag.M.Wt 25 kDa.
Species	Human
Source	E.coli
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.
Conjugation	HIS
Form	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.
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 0.1% Triton-X-100, 2mg/ml Leupeptin, 20mM HEPES, 150mM Sodium chloride, 0.2mM EDTA, 0.1mM AEBSF, pH 7.8
Storage	Store at +4°C. Aliquot and store at -20°C or -80°C when reconstituted. Avoid repeated freeze / thaw cycles.
Sequence	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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