Recombinant Human HMGB2, GST-tagged

Cat. No. HMGB2-13842H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGB2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-195a.a.
Description	This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	HMGB2 high mobility group box 2 [Homo sapiens]
Official Symbol	HMGB2
Synonyms	HMGB2; high mobility group box 2; high mobility group (nonhistone chromosomal) protein 2 , high mobility group box 2 , HMG2; high mobility group protein B2; HMG-2; high-mobility group box 2; high mobility group protein 2; high-mobility group (nonhistone chromosomal) protein 2; HMG2;
Gene ID	3148
mRNA Refseq	NM_001130688
Protein Refseq	NP_001124160
MIM	163906
UniProt ID	P26583
Chromosome Location	4q31
Pathway	Activation of DNA fragmentation factor, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem;
Function	DNA binding; DNA binding, bending; RAGE receptor binding; chemoattractant activity; damaged DNA binding; double-stranded DNA binding; protein binding; protein domain specific binding; sequence-specific DNA binding transcription factor activity; single-str

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