

Recombinant Human HMGB2 Protein, His-tagged

Cat. No. HMGB2-177H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGB2(Gly2~Pro187) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2~Pro187
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	24.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by 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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

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

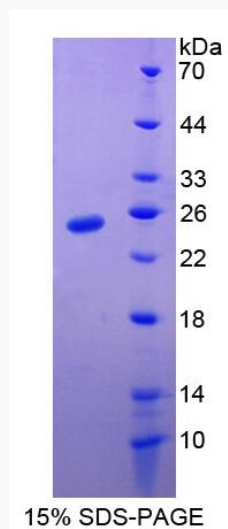
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UniProt ID

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