

Recombinant Full Length Human HMGB2 Protein, GST-tagged

Cat. No. HMGB2-3644HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HMGB2 full-length ORF (AAH00903.2, 1 a.a. - 195 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	195 amino acids
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. [provided by RefSeq
Molecular Mass	47.19 kDa
AA Sequence	MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSA KEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEH RPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKLKEKYEKDIAAYRAKG KSEAGKKGPGRPTGSKKKNEPEDEEEEEEE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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
UniProt ID	P26583

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