

**AR39081PU-L****Human HMGB2 / HMG2 (1-209, His-tag) - Purified****Alternate names:**

High mobility group protein 2, High mobility group protein B2

**Quantity:**

0.5 mg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

High mobility group protein B2, also known as HMGB2, is 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.

**Uniprot ID:**[P26583](#)**NCBI:**[NP\\_001124160](#)**GeneID:**[3148](#)**Species:**

Human

**Source:**

Insect cells

**Format:****State:** Liquid purified protein**Purity:** >90%**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl**Description:**

Recombinant human HMGB2 protein, fused to His-tag at N-terminus, was expressed in Baculovirus and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHHH SSGLVPRGSH TGSMGKDPN KPRGKMSSYA FFVQTCREEH KKKHPDSSVN  
FAEFSKKCSE RWKTMSAKEK SKFEDMAKSD KARYDREMKN YVPPKGDKKG KKKDPNAPKR  
PPSAFFLFCSE EHRPKIKSEH PGLSIGDTAK KLGEMWSEQS AKDKQPYEQK AAKLKEKYEK  
DIAAYRAK GK SEAGKKG PGR PTGSKKKNEP EDEEEEEEE DEDEEEDEE EE

**Molecular weight:** 26.4 kDa (232aa)**Storage:**

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Recombinant human HMGB2, 1-209 aa,  
His-tagged

