

## Product datasheet for **AR39081PU-N**

### HMGB2 / HMG2 (1-209, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HMGB2 / HMG2 (1-209, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH TGSMGKGDPN KPRGKMSSYA FFVQTCREEH KKKHPDSSVN</u> FAEFSKKCSE RWKTMSAKEK SKFEDMAKSD KARYDREMKN YVPPKGDKKK KKKDPNAPKR PPSAFFLFCSE EHRPKIKSEH PGLSIGDTAK KLGEMWSEQS AKDKQPYEQK AAKLKEKEYEK DIAAYRAK GK SEAGKKGPGR PTGSKKKNEP EDEEEEEEEE DEDEEEDEED EE
Tag:	His-tag
Predicted MW:	26.4 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HMGB2 protein, fused to His-tag at N-terminus, was expressed in Baculovirus and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001124160</u>
Locus ID:	3148
UniProt ID:	<u>P26583</u>
Cytogenetics:	4q34.1
Synonyms:	HMG2



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**Summary:**

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, Jul 2008]

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**