

## Product datasheet for **AR39081PU-L**

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

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | HMGB2 / HMG2 (1-209, His-tag) human recombinant protein, 0.5 mg  |
| Species:                              | Human  |
| Expression Host:                      | Insect   |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH TGS</u> MGKGDPN KPRGKMSSYA FFVQTCREEH KKKHPDSSVN<br>FAEFSKKCSE RWKTMSAKEK SKFEDMAKSD KARYDREMKN YVPPKGDKKG KKKDPNAPKR<br>PPSAFFLFCSE EHRPKIKSEH PGLSIGDTAK KLGEMWSEQS AKDKQPYEQK AAKLKEKYEK<br>DIAAYRAK GK SEAGKKGPGR PTGSKKKNEP EDEEEEEEEE DEDEEEDEED EE |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 26.4 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >90%   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>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.<br>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:**