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# Product datasheet for AR03001PU-N

## HMGB1 (1-215, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | HMGB1 (1-215, His-tag) human recombinant protein, 0.5 mg |
| **Species:** | Human |
| **Expression cDNA Clone or AA Sequence:** | MGKGDPKKPR GKMSSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAAK LKEKYEKDIA AYRAKGKPDA AKKGVVKAEK SKKKKEEEED EEDEEDEEEE EDEEDEDEEE DDDDELEHHH HHH |
| **Tag:** | His-tag |
| **Predicted MW:** | 25 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% pure by SDS-PAGE. |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified by conventional Chromatography techniques.<br>Buffer System: 20 mM Tris pH 8.0, 1 mM EDTA, 0.5 mM DTT, 10% Glycerol. |
| **Endotoxin:** | < 1.0 EU per 1 µg of protein (determined by LAL method) |
| **Preparation:** | Liquid purified by conventional Chromatography techniques. |
| **Protein Description:** | Recombinant human HMGB1 (aa. 1-215) His-tagged. |
| **Note:** | NCBI Accession No.: NP_002119 |
| **Storage:** | Store the antibody undiluted at 2-8°C for 2 weeks or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001300821 |
| **Locus ID:** | 3146 |
| **UniProt ID:** | P09429, A0A024RDR0, Q5T7C3 |
| **Cytogenetics:** | 13q12.3 |
| **Synonyms:** | HMG-1; HMG1; HMG3; SBP-1 |

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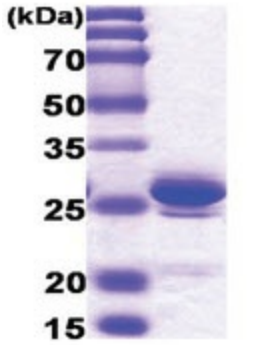
**Summary:** This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Base excision repair

## Product images:




15% SDS-PAGE (3ug)