

Product datasheet for **AR03001PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	HMGB1 (1-215, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression cDNA Clone or AA Sequence:	MGKGDPPKKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAAL KEKYEKIDIA AYRAKGGKPA AKKGVVKAEK SKKKKEEEEE EDEEDEEEEE EDEEDEEEEE DDDDELEHHH HHH
Tag:	His-tag
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>90% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Liquid purified by conventional Chromatography techniques. 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: