

## Product datasheet for **AR39080PU-L**

### HMGA1 / HMG1Y (1-107, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HMGA1 / HMG1Y (1-107, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSESSSKSSQ PLASKQEKDG TEKRGRGRPR KQPPVSPGTA LVGSQKEPSE VPTPKRPRGR PKGSKNKGAA KTRKTTTTTPG RKPRGRPKKL EKEEEEGISQ ESSEEEQLEH HHHHH
Tag:	His-tag
Predicted MW:	12.7 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, 50% glycerol, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HMGA1 protein, fused to His-tag at C-terminus, was expressed in E.coli 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:	<a href="#">NP_001306006</a>
Locus ID:	3159
UniProt ID:	<a href="#">P17096</a> , <a href="#">Q5T6U8</a>
Cytogenetics:	6p21.31
Synonyms:	HMG-R; HMGA1A; HMG1Y


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**Summary:**

This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. [provided by RefSeq, Jan 2016]

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

**Product images:**
