



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### HMGA1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003159-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HMGA1 full-length ORF (AAH04924.1, 1 a.a. - 96 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSESSSKSSQPLASKQEKGTEKRGRGRPRKQPPKE  
PSEVPTPKRPRGRPKGSKNKGAATRKTTPGRKPR  
GRPKKLEKEEEEGISQESSEEEQ

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 36.19

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3159

**Gene Symbol:** HMGA1

**Gene Alias:** HMG-R, HMGA1A, HMG1Y, MGC12816, MGC4242, MGC4854

**Gene Summary:** This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic

progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

**References:**

1. Overexpression of HMGA1 deregulates tumor growth via cdc25A and alters migration/invasion through a cdc25A-independent pathway in medulloblastoma. Lau KM, Chan QK, Pang JC, Ma FM, Li KK, Yeung WW, Cheng AS, Feng H, Chung NY, Li HM, Zhou L, Wang Y, Mao Y, Ng HK. Acta Neuropathol. 2012 Jan 17. [Epub ahead of print]