



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HMGB2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003148-P01

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

**Product Description:** Human HMGB2 full-length ORF (AAH00903.2, 1 a.a. - 195 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSV  
NFAEFSKKCSERWKTMSAKEKSKFEDMAKSDKARYD  
REMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSE  
HRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYE  
QKAAKLKEKYEKDIAAYRAKKGSEAGKKGPRPTGSK  
KKNEPEDEEEEE

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

**Theoretical MW (kDa):** 47.19

**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:** 3148

**Gene Symbol:** HMGB2

**Gene Alias:** HMG2

**Gene 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]

**References:**

1. HMGB1-secreting capacity of multiple cell lineages revealed by a novel HMGB1 ELISPOT assay. Wahamaa H, Vallerskog T, Qin S, Lunderius C, LaRosa G, Andersson U, Harris HE. J Leukoc Biol. 2007 Jan;81(1):129-36. Epub 2006 Sep 15.