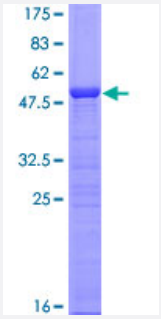
Full-Length

HMGB2 (Human) Recombinant Protein (P01)

Catalog # H00003148-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HMGB2 full-length ORF (AAH00903.2, 1 a.a. - 195 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFED MAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLFCSEHRPKIKSEHPGLSIGDTA KKLGEMWSEQSAKDKQPYEQKAAKLKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPED EEEEEE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.19
Interspecies Antigen Sequence	Mouse (98)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HMGB2

Entrez GeneID	3148
GeneBank Accession#	BC000903
Protein Accession#	AAH00903.2
Gene Name	HMGB2
Gene Alias	HMG2
Gene Description	high-mobility group box 2
Omim ID	163906
Gene Ontology	Hyperlink
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 ben d 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 inv olved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq
Other Designations	high-mobility group (nonhistone chromosomal) protein 2

Publication Reference

- 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.

  Journal of Leukocyte Biology 2006 Sep; 81(1):129.

  Application: AP, Mouse, Anti-HMGB1 mAb

Disease

- Azoospermia
- Infertility
- Oligospermia