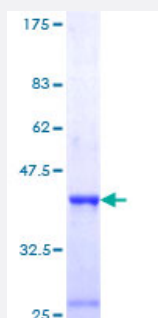


HMGB2 (Human) Recombinant Protein (Q01)

Catalog # H00003148-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HMGB2 partial ORF (NP_002120, 91 a.a. - 187 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DPNAPKRPPSAFFLCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKLKEK YEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
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# [NM_002129](#)

Protein Accession# [NP_002120](#)

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 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]

Other Designations high-mobility group (nonhistone chromosomal) protein 2

Disease

- [Azoospermia](#)
- [Infertility](#)

- [Oligospermia](#)