

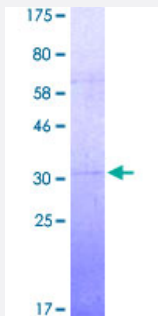
HuPro®

HMGB2 (Human) Recombinant Protein

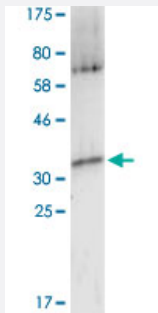
Catalog # H00003148-H01

Size 2 ug

Applications



SDS-PAGE Gel



Western Blot

Specification

Product Description

Purified HMGB2 (NP_002120.1, 1 a.a. - 209 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.

Transfected Cell Line

Human HEK293T cells

Sequence

MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFED
MAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEHRPKIKSEHPGLSIGDTA
KKLGEMWSEQSAKDKQPYEQKAAKLKEYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPED
EEEEEEEEDEEEEEDEDEE

Host

Human

Theoretical MW (kDa)

29.28

Interspecies Antigen Sequence	Mouse (97)
Form	Liquid
Preparation Method	Transfection of pSuper-HMGB2 plasmid into HEK293T cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Quality Control Testing	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — HMGB2

Entrez GeneID	3148
GeneBank Accession#	NM_002129.2
Protein Accession#	NP_002120.1
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](#)