

Recombinant Human HMGB2 293 Cell Lysate

Cat. No. HMGB2-5477HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for high-mobility group box 2 (HMGB2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

HMGB2 high mobility group box 2 [Homo sapiens]

Official Symbol

HMGB2

Synonyms

HMGB2; high mobility group box 2; high mobility group (nonhistone chromosomal) protein 2 , high mobility group box 2 , HMG2; high mobility group protein B2; HMG-2; high-mobility group box 2; high mobility group protein 2; high-mobility group (nonhistone chromosomal) protein 2; HMG2;

Gene ID

3148

mRNA Refseq

NM_001130688

Protein Refseq

NP_001124160

MIM

163906

UniProt ID

P26583

Chromosome Location

4q31

Pathway

Activation of DNA fragmentation factor, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific

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biosystem; Apoptotic executionphase, organism-specific biosystem;

Function

DNA binding; DNA binding, bending; RAGE receptor binding; chemoattractant activity; damaged DNA binding; double-stranded DNA binding; protein binding; protein domain specific binding; sequence-specific DNA binding transcription factor activity; single-stranded DNA binding; transcription regulatory region DNA binding;

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