Human HMGB2 Knockdown Cell Lysate

Cat. No. HMGB2-484HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated HMGB2 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	24 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg HMGB2 KD HT-1080 cell lysate
Protein Families	Druggable Genome, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	HMGB2 high mobility group box 2 [Homo sapiens (human)]
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

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