

## Recombinant Human HIST1H2BO 293 Cell Lysate

**Cat. No.** HIST1H2BO-5533HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for histone cluster 1, H2bo (HIST1H2BO) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	HIST1H2BO histone cluster 1, H2bo [ Homo sapiens ]
<b>Official Symbol</b>	HIST1H2BO
<b>Synonyms</b>	HIST1H2BO; histone cluster 1, H2bo; H2B histone family, member N , H2BFN, histone 1, H2bo; histone H2B type 1-O; H2B.2; H2B/n; histone H2B.2; histone H2B.n; histone 1, H2bo; H2B histone family, member N; H2BFN; dJ193B12.2; MGC119806;
<b>Gene ID</b>	8348
<b>mRNA Refseq</b>	NM_003527
<b>Protein Refseq</b>	NP_003518
<b>MIM</b>	602808
<b>UniProt ID</b>	P23527
<b>Chromosome Location</b>	6p22.1
<b>Pathway</b>	Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; Meiosis, organism-specific biosystem;

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**Function**

DNA binding;

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