

Recombinant Human HIST1H2BN 293 Cell Lysate

Cat. No. HIST1H2BN-5534HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for histone cluster 1, H2bn (HIST1H2BN) 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

HIST1H2BN histone cluster 1, H2bn [Homo sapiens]

Official Symbol

HIST1H2BN

Synonyms

histone cluster 1, H2bn; 4749; Ensembl:ENSG00000233822; MGC9388, MGC125414, MGC125415, MGC125416; histone H2B type 1-N; histone H2B.d; histone 1, H2bn; H2B histone family, member D; H2B/d; H2BFD

Gene ID

8341

mRNA Refseq

NM_003520.3

Protein Refseq

NP_003511.1

MIM

602801

UniProt ID

Q99877

Chromosome Location

6p22.1

Pathway

Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; 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,

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organism-specific biosystem;

Function

DNA binding; protein heterodimerization activity;

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