

Recombinant Human HIST1H2BN 293 Cell Lysate

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

SPECIFICATION

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.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

DNA binding; protein heterodimerization activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA