

Recombinant Human HIST1H2AG 293 Cell Lysate

Cat. No. HIST1H2AG-5547HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for histone cluster 1, H2ag (HIST1H2AG) 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.

 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

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	HIST1H2AG histone cluster 1, H2ag [Homo sapiens]
Official Symbol	HIST1H2AG
Synonyms	H2AG; H2A/p; H2AFP; H2A.1b; pH2A/f; histone H2A type 1; H2A.1; histone H2A/p; histone 1, H2ag; H2A histone family, member P
Gene ID	8969
mRNA Refseq	NM_021064
Protein Refseq	NP_066408
MIM	615012
UniProt ID	P0C0S8
Chromosome Location	6p22.1
Pathway	Alcoholism, organism-specific biosystem; HATs acetylate histones, organism-specific biosystem; Systemic lupus erythematosus, organism-specific biosystem
Function	DNA binding; enzyme binding; protein binding

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