

Recombinant Human KDM5B 293 Cell Lysate

Cat. No. KDM5B-4992HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for lysine (K)-specific demethylase 5B (KDM5B) 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 KDM5B lysine (K)-specific demethylase 5B [Homo sapiens]

Official Symbol KDM5B

Synonyms

KDM5B; lysine (K)-specific demethylase 5B; JARID1B, jumonji, AT rich interactive domain 1B , Jumonji, AT rich interactive domain 1B (RBP2 like); lysine-specific demethylase 5B; cancer/testis antigen 31; CT31; PLU 1; RBBP2H1A; RBP2-H1; histone demethylase JARID1B; putative DNA/chromatin binding motif; jumonji, AT rich interactive domain 1B; jumonji/ARID domain-containing protein 1B; retinoblastoma-binding protein 2 homolog 1; retinoblastoma-binding protein 2, homolog 1A; PLU1; PUT1; PLU-1; JARID1B; FLJ10538; FLJ12459; FLJ12491; FLJ16281; FLJ23670;

Gene ID 10765

mRNA Refseq NM_006618

Protein Refseq NP_006609

MIM 605393

UniProt ID Q9UGL1

Chromosome Location 1q32.1

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Function

DNA binding; histone demethylase activity (H3-dimethyl-K4 specific); histone demethylase activity (H3-trimethyl-K4 specific); metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; protein binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity; zinc ion binding;

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