

Recombinant Human KDM6A 293 Cell Lysate

Cat. No. KDM6A-4991HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for lysine (K)-specific demethylase 6A (KDM6A) 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

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

GENE INFORMATION

Gene Name KDM6A lysine (K)-specific demethylase 6A [Homo sapiens]

Official Symbol KDM6A

Synonyms KDM6A; lysine (K)-specific demethylase 6A; ubiquitously transcribed tetratricopeptide repeat, X chromosome , UTX; lysine-specific demethylase 6A; histone demethylase UTX; ubiquitously-transcribed TPR gene on the X chromosome; ubiquitously transcribed TPR protein on the X chromosome; ubiquitously-transcribed TPR protein on the X chromosome; ubiquitously transcribed tetratricopeptide repeat protein X-linked; ubiquitously transcribed X chromosome tetratricopeptide repeat protein; ubiquitously-transcribed X chromosome tetratricopeptide repeat protein; bA386N14.2 (ubiquitously transcribed X chromosome tetratricopeptide repeat protein (UTX)); UTX; KABUK2; bA386N14.2; MGC141941; DKFZp686A03225;

Gene ID 7403

mRNA Refseq NM_021140

Protein Refseq NP_066963

MIM 300128

UniProt ID O15550

Chromosome Location Xp11.2

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Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen;

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