

Recombinant Human KDM6A 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

Xp11.2

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Location	
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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