Recombinant Human KDM3A 293 Cell Lysate

Cat. No. KDM3A-4997HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for lysine (K)-specific demethylase 3A (KDM3A), transcript variant 1 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	KDM3A lysine (K)-specific demethylase 3A [Homo sapiens]
Official Symbol	KDM3A
Synonyms	KDM3A; lysine (K)-specific demethylase 3A; JMJD1, JMJD1A, jumonji domain containing 1 , jumonji domain containing 1A; lysine-specific demethylase 3A; JHMD2A; jumonji C domain containing histone demethylase 2A; KIAA0742; TSGA; testis-specific protein A; jumonji domain containing 1; jumonji domain containing 1A; jumonji domain-containing protein 1A; jumonji C domain-containing histone demethylase 2A; jmjC domain-containing histone demethylation protein 2A; JMJD1; JHDM2A; JMJD1A; DKFZp686A24246; DKFZp686P07111;
Gene ID	55818
mRNA Refseq	NM_001146688
Protein Refseq	NP_001140160
MIM	611512
UniProt ID	Q9Y4C1
Chromosome Location	2p11.2

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Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	androgen receptor binding; iron ion 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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