

Recombinant Human KDM4C 293 Cell Lysate

Cat. No. KDM4C-4994HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for lysine (K)-specific demethylase 4C (KDM4C), 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.
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	KDM4C lysine (K)-specific demethylase 4C [Homo sapiens]
Official Symbol	KDM4C
Synonyms	KDM4C; lysine (K)-specific demethylase 4C; JMJD2C, jumonji domain containing 2C; lysine-specific demethylase 4C; GASC1; KIAA0780; GASC-1 protein; jumonji domain containing 2C; jumonji domain-containing protein 2C; gene amplified in squamous cell carcinoma 1 protein; JmjC domain-containing histone demethylation protein 3C; JHDM3C; JMJD2C; bA146B14.1; FLJ25949;
Gene ID	23081
mRNA Refseq	NM_001146694
Protein Refseq	NP_001140166
MIM	605469
UniProt ID	Q9H3R0
Chromosome Location	9p24-p23
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	androgen receptor binding; enzyme binding; histone demethylase activity (H3-K9 specific); histone demethylase activity (H3-K9 specific); metal ion binding;

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oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; zinc ion binding;

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