

Recombinant Human KDM4C 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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;

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Function

androgen receptor binding; enzyme binding; histone demethylase activity (H3-K9 specific); histone demethylase activity (H3-K9 specific); metal ion binding; 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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