

Recombinant Mouse Kdm4c Protein, Myc/DDK-tagged

Cat. No. Kdm4c-3682M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lysine (K)-specific demethylase 4C (Kdm4c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.
Molecular Mass	120.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Kdm4c lysine (K)-specific demethylase 4C [Mus musculus (house mouse)]
Official Symbol	Kdm4c
Synonyms	KDM4C; lysine (K)-specific demethylase 4C; lysine-specific demethylase 4C; jumonji domain containing 2C; jumonji domain-containing protein 2C; gene amplified in squamous cell carcinoma 1; jmjC domain-containing histone demethylation protein 3C; Gasc1; Jmjd2c; AA517467; 2410141F18Rik
Gene ID	76804
mRNA Refseq	NM_144787
Protein Refseq	NP_659036
UniProt ID	Q8VCD7

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