

## Recombinant Mouse Kdm4c Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Purified recombinant protein of mouse full-length lysine (K)-specific demethylase 4C (Kdm4c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 120.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 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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