

## Recombinant Human KDM4C Protein (M1-K347), Tag Free

Cat. No. KDM4C-0529H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human JMJD2C(M1-K347) Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                  |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                               |
| ProteinLength    | M1-K347                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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. |
| Form             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                               |
| Endotoxin        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Stability        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                                                                                                            |
| Storage          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                  |

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**Storage Buffer** Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

**Shipping** It is shipped out with blue ice.

## GENE INFORMATION

**Gene Name** KDM4C lysine (K)-specific demethylase 4C [ Homo sapiens (human) ]

**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

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