

## Recombinant Human KDM4D Protein (E2-P523), Tag Free

Cat. No. KDM4D-0533H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GG-JMJD2D(E2-P523 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	E2-P523
<b>Description</b>	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Demethylates both di- and trimethylated H3 'Lys-9' residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	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** KDM4D lysine (K)-specific demethylase 4D [ Homo sapiens (human) ]

**Official Symbol** KDM4D

**Synonyms**

KDM4D; lysine (K)-specific demethylase 4D; JMJD2D, jumonji domain containing 2D; lysine-specific demethylase 4D; FLJ10251; jumonji domain containing 2D; jumonji domain-containing protein 2D; jmjC domain-containing histone demethylation protein 3D; JMJD2D; MGC141909;

**Gene ID** 55693

**mRNA Refseq** NM\_018039

**Protein Refseq** NP\_060509

**MIM** 609766

**UniProt ID** Q6B0I6

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