Recombinant Human KDM4D Protein (E2-P523), His tagged

Cat. No. KDM4D-0534H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-GG-JMJD2D(E2-P523 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	E2-P523
Description	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.
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

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	protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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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