

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

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

SPECIFICATION

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|-------------------------|--|
| 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 Q6B016

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