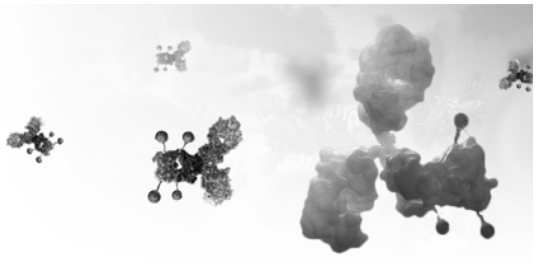

Human KDM4D peptide (DAG-P0723)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the JHDM3 histone demethylase family.Contains 1 JmjC domain.Contains 1 JmjN domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	KDM4D lysine (K)-specific demethylase 4D [Homo sapiens (human)]
Official Symbol	KDM4D
Synonyms	KDM4D; lysine (K)-specific demethylase 4D; JMJD2D; lysine-specific demethylase 4D; jumonji domain containing 2D; jumonji domain-containing protein 2D; jmjC domain-containing histone demethylation protein 3D;
Entrez Gene ID	55693
mRNA Refseq	NM_018039.2

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Protein Refseq	NP_060509.2
UniProt ID	Q6B0I6
Chromosome Location	11q21
Function	dioxygenase activity; metal ion binding;

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