Active Recombinant Human KDM4D, FLAG-tagged

Cat. No. KDM4D-52H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KDM4D (accession number NP_060509.2) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 63.2 kDa.
Species	Human
Source	Sf9 Cells
Description	KDM4D (lysine (K)-specific demethylase 4D), also known as JMJD2D (Jumonji Domain Containing 2D) is a protein that functions as a histone demethylase that preferentially demethylates di- and trimethylated lysine 9 residues of histone H3, while it has no activity on monomethylated H3K9 residues.
Form	25 mM HEPES, pH 7.5, 150 mM NaCl and 5% glycerol.
Bio-activity	H3K9me3 demethylase.
Applications	Enzyme kinetics, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.8 mg/ml

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GENE INFORMATION

Gene Name	KDM4D lysine (K)-specific demethylase 4D [Homo sapiens]
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
Chromosome Location	11q21
Function	metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen;

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