

Active Recombinant Human KDM3B, FLAG-tagged

Cat. No. KDM3B-49H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KDM3B (accession number NP_057688.2) was expressed in Sf9 cells and contains an N-terminal FLAG tag with a molecular weight of 193.4 kDa.
Species	Human
Source	Sf9 Cells
Description	Lysine (K)-specific demethylase 3B (KDM3B), also known as Jumonji domain-containing protein 1B (JMJD1B), is a histone demethylase that specifically demethylates lysine 9 of histone H3 (H3K9), thereby playing a central role in defining the histone code. Demethylation of lysine residues generates formaldehyde and succinate. KDM3B may have tumor suppressor activity.
Form	40 mM HEPES pH 7.4, 150 mM NaCl and 20% glycerol.
Bio-activity	H3K9me2 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	0.9 mg/ml

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GENE INFORMATION

Gene Name	KDM3B lysine (K)-specific demethylase 3B [Homo sapiens]
Official Symbol	KDM3B
Synonyms	KDM3B; lysine (K)-specific demethylase 3B; C5orf7, chromosome 5 open reading frame 7 , JMJD1B, jumonji domain containing 1B; lysine-specific demethylase 3B; KIAA1082; NET22; nuclear protein 5qNCA; jumonji domain containing 1B; jumonji domain-containing protein 1B; jmjC domain-containing histone demethylation protein 2B; 5qNCA; C5orf7; JMJD1B;
Gene ID	51780
mRNA Refseq	NM_016604
Protein Refseq	NP_057688
MIM	609373
UniProt ID	Q7LBC6
Chromosome Location	5q31
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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