KDM3B Protein, Human (Myc, His-SUMO)

Cat. No.:	HY-P71585
Synonyms:	5qNCA; C5orf7; JHDM2B; JmjC domain containing histone demethylation protein 2B; JmjC domain-containing histone demethylation protein 2B; jmjd1b; Jumonji domain containing 1B; Jumonji domain containing protein 1B; Jumonji domain-containing protein 1B; KDM3B; KDM3B_HUMAN; KIAA1082; Lysine (K) specific demethylase 3B ; Lysine-specific demethylase 3B; NET22; Nuclear protein 5qNCA
Species:	Human
Source:	E. coli
Accession:	Q7LBC6 (1498M-1721R)
Gene ID:	51780
Molecular Weight:	Approximately 45.6 kDa

PROPERTIES

AA Sequence	M P T R F E D L M E N L P L P E Y T K R D G R L N L A S R L P S Y F V R P D L G P K M Y N A Y G L I T A E D R R V G T T N L H L D V S D A V N V M V Y V G I P I G E G A H D E E V L K T I D E G D A D E V T K Q R I H D G K E K P G A L W H I Y A A K D A E K I R E L L R K V G E E Q G Q E N P P D H D P I H D Q S W Y L D Q T L R K R L Y E E Y G V Q G W A I V Q F L G D A V F I P A G A P H Q V H N L Y S C I K V A E D F V S P E H V K H C F R L T Q E F R
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	KDM3B Protein, a histone demethylase, occupies a pivotal role in the histone code by specifically targeting 'Lys-9' of histone H3. Its demethylase activity catalyzes the removal of methyl groups from this residue, generating formaldehyde and succinate as byproducts. Beyond its involvement in histone modification, KDM3B exhibits the potential for tumor

suppressor activity, hinting at its significance in cellular processes related to the regulation of gene expression and epigenetic modifications. The specific demethylation function of KDM3B underscores its central role in shaping the dynamic landscape of histone modifications and its potential implications in cellular homeostasis and disease.

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