

JMJD1B/KDM3B recombinant protein

Recombinant JMJD1B/KDM3B protein

CATALOG #
AAA59678

HOST
Baculovirus

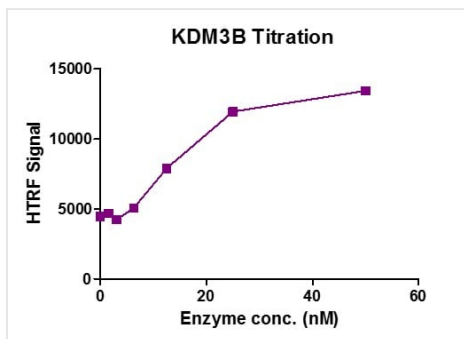
PRODUCT SYNONYMS

JMJD1B/KDM3B; Recombinant JMJD1B/KDM3B protein; Lysine Demethylase 3B; Jumonji Domain-Containing Protein 1B; Nuclear Protein 5qNCA; JMJD1B/KDM3B recombinant protein

PRODUCT SPECIFICATIONS

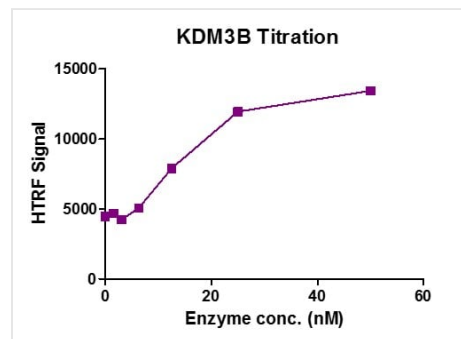
Host	Baculovirus
Purity/Purification	The recombinant protein is >85% pure by SDS-PAGE.
Form/Format	Full length recombinant JMJD1B/KDM3B protein expressed in Sf9 cells and supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 0.04% Triton X100, 10% glycerol, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant JMJD1B/KDM3B is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

HTRF assay for JMJD1B / KDM3B activity 3.3 uM H3K9me2 peptide was incubated with different concentrations of JMJD1B / KDM3B protein in a 10 ul reaction system containing 50 mM HEPES pH 7.5, 1 mM TCEP, 0.02% Triton X100, 100 uM 2-oxoglutarate, 100 uM ascorbate, 50 ?M (NH4)2Fe(SO4)2·6H2O and for 1 hours at room temperature, then 10 ?l of H3K9me0 antibody and SA-XL665 mixture (1:100 dilution in the same buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



Application Data

HTRF assay for JMJD1B / KDM3B activity 3.3 uM H3K9me2 peptide was incubated with different concentrations of JMJD1B / KDM3B protein in a 10 ul reaction system containing 50 mM HEPES pH 7.5, 1 mM TCEP, 0.02% Triton X100, 100 uM 2-oxoglutarate, 100 uM ascorbate, 50 ?M (NH4)2Fe(SO4)2·6H2O and for 1 hours at room temperature, then 10 ?l of H3K9me0 antibody and SA-XL665 mixture (1:100 dilution in the same buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant JMJD1B / KDM3B protein gel. JMJD1B / KDM3B protein was run on an 10% SDS-PAGE gel and stained with Coomassie blue. MW: 195 kDa Purity: >85%

ADDITIONAL INFORMATION

Related Product Information for JMJD1B/KDM3B recombinant protein	Short Description: Recombinant JMJD1B/KDM3B (accession number NP_057688.2) was expressed in Sf9 cells and contains an N-terminal DYKDDDDK tag with a molecular weight of 193.4 kDa. 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. Recombinant JMJD1B/KDM3B can be used for enzyme kinetics and inhibitor screening studies. Background: 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.
Product Categories/Family for JMJD1B/KDM3B recombinant protein	Recombinant Proteins; Histone Demethylase (HDM)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38372909
NCBI GeneID	51780
NCBI Accession #	NP_057688.2
NCBI GenBank Nucleotide #	NM_016604.3
UniProt Accession #	Q7LBC6; Q9BVH6; Q9BW93; Q9BZ52; Q9NYF4; Q9UPS0; A6H8X7
Molecular Weight	84,712 Da
NCBI Official Full Name	lysine-specific demethylase 3B
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 3B
NCBI Official Symbol	KDM3B
NCBI Official Synonym Symbols	5qNCA; NET22; C5orf7; JMJD1B
NCBI Protein Information	lysine-specific demethylase 3B; nuclear protein 5qNCA; jumonji domain containing 1B; jumonji domain-containing protein 1B; jmjC domain-containing histone demethylation protein 2B
UniProt Protein Name	Lysine-specific demethylase 3B
UniProt Gene Name	KDM3B
UniProt Synonym Gene Names	C5orf7; JHDM2B; JMJD1B; KIAA1082

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/kdm3b-recombinant-protein-baculovirus/59678>