

Datasheet for ABIN2669703  
**KDM2B Protein (DYKDDDDK Tag)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	20 µg
Target:	KDM2B
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM2B protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)

## Product Details

Characteristics:	Recombinant FBXL10 / KDM2B (accession number NP_115979.3) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 155.9 kDa.
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## Target Details

Target:	KDM2B
Alternative Name:	FBXL10 / KDM2B ( <a href="#">KDM2B Products</a> )
Background:	KDM2B (lysine (K)-specific demethylase 2B), also known as FBXL10 (F-box and leucine-rich repeat protein 10) is a histone demethylase that preferentially demethylates trimethylated lysine 4 (K4me3) and dimethylated lysine 36 (K36me2) of histone H3. KDM2B displays weak or no activity for mono- and trimethylated H3K36. KDM2B preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which results in inhibition of cell growth and proliferation. KDM2B may also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.

## Target Details

Molecular Weight: 155.9 kDa

Pathways: [Tube Formation](#), [Warburg Effect](#)

## Application Details

Application Notes: Recombinant FBXL10 / KDM2B is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: H3K36me2 demethylase. Histone Demethylase Assay Conditions: 50 mM HEPES pH 7.5, 0.02 % Triton X100, 100  $\mu$ M 2OG, 100  $\mu$ M Ascorbate, 50  $\mu$ M (NH<sub>4</sub>)<sub>2</sub>Fe(SO<sub>4</sub>)<sub>2</sub>·6H<sub>2</sub>O, 1 mM TCEP, 300 nM Recombinant FBXL10 / KDM2B protein, and 3.3  $\mu$ M H3K36me2 peptide at 2 hours at room temperature. MALDI-TOF was used for detection.

Restrictions: For Research Use only

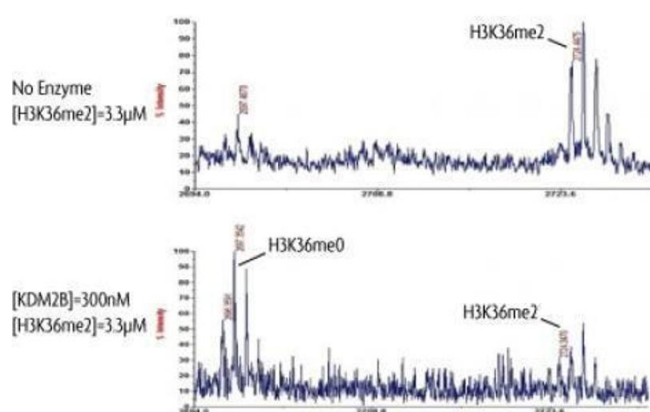
## Handling

Handling Advice: Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Storage: -80 °C

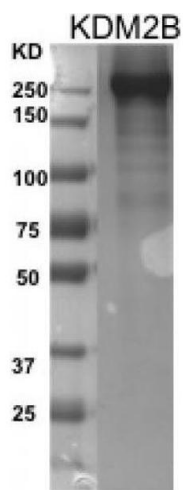
Storage Comment: Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation.

## Images



### Activity Assay

**Image 1.** FBXL10 / KDM2B activity assay. Recombinant FBXL10 / KDM2B activity measured using a demethylation assay. MALDI-TOF was used for detection.



Western Blotting

**Image 2.** Recombinant FBXL10 / KDM2B protein gel. FBXL10 / KDM2B protein was run on a 10% SDS-PAGE gel and stained with Coomassie blue.