

Datasheet for ABIN5713580

KDM5A Protein (AA 437-603) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	KDM5A
Protein Characteristics:	AA 437-603
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5A protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EYALSGWNLN NMPVLEQSVL AHINVDISGM KVPWLYVGMC FSSFCWHIED HWSYSINYLH WGEPKTWYGV PSHAAEQLEE VMRELAPELF ESQPDLLHQL VTIMNPNVLM EHGVPVYRTN QCAGEFVVTF PRAYHSGFNQ GYNFAEAVNF CTADWLPIGR QCVNHYR
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	KDM5A
Alternative Name:	KDM5A (KDM5A Products)
Background:	Histone dethylase that specifically dethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not dethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79'

Target Details

or H4 'Lys-20'. Dethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. May stimulate transcription mediated by nuclear receptors. May be involved in transcriptional regulation of Hox proteins during cell differentiation. May participate in transcriptional repression of cytokines such as CXCL12. Plays a role in the regulation of the circadian rhythm and in maintaining the normal periodicity of the circadian clock. In a histone deethylase-independent manner, acts as a coactivator of the CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER1/2 and other clock-controlled genes and increases histone acetylation at PER1/2 promoters by inhibiting the activity of HDAC1 .

Molecular Weight: 21.3 kDa

UniProt: [P29375](#)

Pathways: [Chromatin Binding](#), [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.