Datasheet for ABIN5709797

KDM5A Protein (AA 437-603) (His-SUMO Tag)

Go to Product page

1 Image

Overview

Quantity:	100 µg
Target:	KDM5A
Protein Characteristics:	AA 437-603
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5A protein is labelled with His-SUMO 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

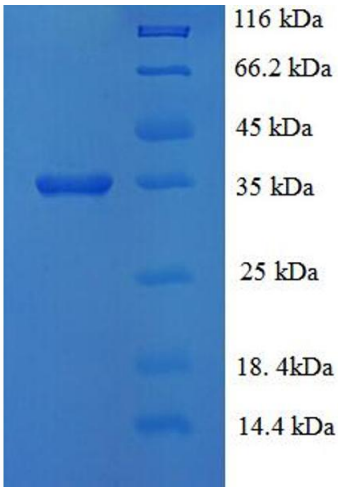
	or H4 'Lys-20'. Dethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. May stimulate transcription mediated by nuclear receptors. May be involved in transcriptional regulation of Hox proteins during cell differentiation. May participate in transcriptional repression of cytokines 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 dethylase-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:	35.3 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.

