

Datasheet for ABIN7564078

KDM2B Protein (AA 1-1309) (His tag)



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Overview

Quantity:	1 mg
Target:	KDM2B
Protein Characteristics:	AA 1-1309
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM2B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Kdm2b Protein expressed in mammalian cells.
Sequence:	MEAEKDSGRR LRAIDRQRYD ENEDLSDVEE IVSVRGFSLE EKLRSQLYQG DVFHAMEGKD FNYEYVQREA LRVPLVFRDK DGLGIKMPDP DFTVRDVKLL VGSRRRLVDVM DVNTQKGTEM SMSQFVRYYE TPEAQRDKLY NVISLEFSHT KLEHLVKRPT VVDLVDWVDN MWPQHLKEKQ TEATNALAEM KYPKVKKYCL MSVKGCFDF HIDFGGTSVW YHVFRRGGKIF WLIPPTLHNL ALYEEWVLSG KQSDIFLGDR VERCQRIELK QGYTFFIPSG WIHAVYTPVD SLVFGGNILH SFNVPMQLRI YEIEDRTRVQ PKFRYPFYYE MCWYVLERYV YCVTQRSYLT QEYQREMLI DAPRKTSVDG FSSDSWLDME EESCEQQPQE EEEEEEDKEE EGDGADKTPK PPTDDPTSPT STPPEDQDST GKKPKAPAIR FLKRTLSEES EESVKSTSMP TDDPKTPTGS PATEVSTKWT HLTEFELKGL KALVEKLESL PENKKCVPEG IEDPQALLEG VKNVLKEHVD DDPTLAITGV PVVSWPKKTA KNRVVGPRPKG KLGPASAVKL AANRTTAGAR RRRTRCRKCE ACLRTEGEC HFCKDMKKFG GPGRMKQSCI MRQCIAPVLP HTAVCLVCGE AGKEDTVEEE EGKFNLMMLME

CSICNEIIHP GCLKIKESEG VVNDELPNCW ECPKCNHAGK TGKQKRGPGF KYASNLPGSL
LKEQKMNRDN KEGQEPKRR SECEEAPRRR SDEHPKKVPA DGILRRKSDD VHLRRKRKYE
KPQELSGRKR ASSLTSPGS SSHLSRPPL GSSLSPWWSR SLTYFQQQLK PGKEDKLFRK
KRRSWKNAED RLSLANKPLR RFKQEPEDDL PEAPPKTRES DQSRSSSPTA GPSTEGAEGP
EEKKKVKMRR KRRLVNKELS KELSKELNHE IQKTESTLAH ESQQPIKSEP ESENDEPKRP
LSHCERPHRF SKGLNGTPRE LRHSLGPGLR SPPRVMSRPP PSASPPKCIQ MERHVIRPPP
ISPPPDLSLPL DDGAAHVMHR EVWMAVFSYL SHRDLCVCMR VCRTWNRWCC DKRLWTRIDL
NRCKSITPLM LSGIIRRPV SLDLSWTNIS KKQLSWLINR LPGLRDLVLS GCSWIAVSAL
CSSSCPLLRT LDVQWVEGLK DAQMRDLLSP PTDNRPGQMD NRSKLRNIVE LRLAGLDITD
VSLRLIIRHM PLLSKLQLSY CNHINDQSIN LLTAVGTTTR DSLTEVNLSD CNKVTDLCLS
FFKRCGNICH IDLRYCKQVT KEGCEQFIAE MSVSVQFGQV EEKLLQKLS **Sequence without tag.**
The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	KDM2B
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Target Details

Alternative Name:	Kdm2b (KDM2B Products)
Background:	Lysine-specific demethylase 2B (EC 1.14.11.27) (F-box and leucine-rich repeat protein 10) (F-box protein FBL10) (F-box/LRR-repeat protein 10) (JmjC domain-containing histone demethylation protein 1B) ([Histone-H3]-lysine-36 demethylase 1B),FUNCTION: Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code. Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36'. Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation (By similarity). May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (By similarity). {ECO:0000250 UniProtKB:Q8NHM5}.
Molecular Weight:	149.7 kDa
UniProt:	Q6P1G2
Pathways:	Tube Formation, Warburg Effect

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months