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Datasheet for ABIN7564294

**KDM5B Protein (AA 1-1544) (His tag)**

## Overview

Quantity:	1 mg
Target:	KDM5B
Protein Characteristics:	AA 1-1544
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Kdm5b Protein expressed in mammalien cells.
Sequence:	<p>MEPATTLLPPG PRPALPLGGP GPLGEFLPPP ECPVFEPSWE EFADPFAFIH KIRPIAEQTG ICKVRPPPDW QPPFACDVDK LHFTPRIQRL NELEAQTRVK LNFLDQIAKY WELQGSTLKI PHVERKILD L FQLNKLVAEE GGFVAVCKDR KWTKIATKMG FAPGKAVGSH IRGHYERILN PYNLFLSGDS LRCLQKPNLT SDTKDKEYKP HDIPQRQSVQ PAETCPPARR AKRMRAEAMN IKIEPEEATE ARTHNLRRRM GCTTPKWENE KEMKSTIKQE PTEKKDCELE SEKEKPKSRA KKTATAVDLY VCLLCGSGND EDRLLLCDGC DDSYHTFCLV PPLHDVPGKD WRCPKCLAQE CNKPQEAFGF EQAARDYTLR TFGEMADAFK SDYFNMPVHM VPTELVEKEF WRLVSTIEED VTVEYGADIA SKEFGSGFPV RDGKIKISPE EEEYLDGWN LNNMPVMEQS VLAHITADIC GMKLPWLYVG MCFSSFCWHI EDHWSYSINY LHWGEPKTWY GVPGYAAEQ ENVMKKLAPE LFVSPDLLH QLVTIMNPNT LMTHEVPVYR TNQCAGEFVI TFPRAYHSGF NQGFNF AEAV NFCTVDWLPL GRQCVEHYRL LHRYCVFSDH EMICKMASKA DVLDVVVAST VQKDMAIMIE</p>

DEKALRETVR KLGVIDSERM DFELLPDDER QCIKCKTTCF MSAISCCKP GLLVCLHHVK  
ELCSCPPYKY NLRVRYTLDD LYPMMNALKL RAESYNEWAL NVNEALEAKI NKKKSLVSFK  
ALIEESEMKK FPDNDLLRHL RLVTQDAEKC ASVAQQLLNG KRQTRYRSGG GKSQNQLTVN  
ELRQFVTQLY ALPCVLSQTP LLKDLLNRVE DFQQSQKLL SEEMPAAEL QELLDVSFEF  
DVELPQLTEM RIRLEQARWL EEVQQAQLDS SSSLDDMRR LIDLGVGLAP YSAVEKAMAR  
LQELLTVSEH WDDKAKSLLR ARPRHLSLSS ATAVKEMEEI PAYLPNGTVL KDSVQRARDW  
VQDVDALQAG GRVPVLETLI ELVARGRSIP VHLNSLPRLE MLVAEVHAWK ECAAFTLPE  
NSTYSLLEVL CPRCDIGLLG LKRKQRKLKE PLPSGKKRST KLESLSDLER ALMESKETAA  
AMATLGEARL REMEALQSLR FANEEKLLSP VQDLEMKVCL CQKTPATPMI QCELCRDAFH  
TSCVAAPSIS QSSRIWLCPH CRRSEKPPLE KILPLLASLQ RIRVRLPEGD ALRYMIERTV  
NWQHRAQQLL SSGNLKLVQD QVGSGLLSSR WPASAGQASA TDKVSQPPGT TSFSLPDDWD  
NRTSYLHSPF STGQSCPLH GLSPEVNELL MEAQLLQVSL PEIQELYQTL LTKPSSVQQA  
DRSSPVRSSS EKNDCLRGKR DAINSPERKL KRRPEREGLP SERWDRVKHM RTPQKKKIKL  
SHPKDMDSFK LERERSYDLV RNAETHSLPS DTSYSEQEDS EDEDAICPAV SCLQPEGDEV  
DWVQCDGSCN QWFHQVCVGV SPEMAEKEDY ICVRCTGKDA PSRK **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.**

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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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

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Target:	KDM5B
Alternative Name:	Kdm5b ( <a href="#">KDM5B Products</a> )
Background:	<p>Lysine-specific demethylase 5B (EC 1.14.11.67) (Histone demethylase JARID1B) (Jumonji/ARID domain-containing protein 1B) (PLU-1) ([histone H3]-trimethyl-L-lysine(4) demethylase 5B),FUNCTION: Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9' or H3 'Lys-27'. Demethylates trimethylated, dimethylated and monomethylated H3 'Lys-4'. Acts as a transcriptional corepressor for FOXG1B and PAX9. Represses the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2.</p> <p>{ECO:0000269 PubMed:17310255, ECO:0000269 PubMed:17320160, ECO:0000269 PubMed:21960634}.</p>
Molecular Weight:	175.6 kDa
UniProt:	<a href="#">Q80Y84</a>
Pathways:	<a href="#">Warburg Effect</a>

## Application Details

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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

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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