

Datasheet for ABIN7554328
KDM5B Protein (AA 1-1544) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KDM5B
Protein Characteristics:	AA 1-1544
Origin:	Human
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:	MEAATTLHPG PRPALPLGGP GPLGEFLPPP ECPVFEPSWE EFADPFAFIH KIRPIAEQTG ICKVRPPPDW QPPFACDVDK LHFTPRIQRL NELEAQTRVK LNFLDQIAKY WELQGSTLKI PHVERKILD L FQLNKLVAEE GGFVAVCKDR KWTKIATKMG FAPGKAVGSH IRGHYERILN PYNLFLSGDS LRCLQKPNLT TDTKDKEYKP HDIPQRQSVQ PSETCPPARR AKRMRAEAMN IKIEPEETTE ARTHNLRRRM GCPTPKCENE KEMKSSIKQE PIERKDYIVE NEKEKPKSRS KKATNAVDLY VCLLCGSGND EDRLLLCDGC DDSYHTFCLI PPLHDVPGKD WRCPKCLAEQ CSKPQEAFGF EQAARDYTLR TFGEMADAFK SDYFNMPVHM VPTELVEKEF WRLVSTIEED VTVEYGADIA SKEFGSGFPV RDGKIKLSPE EEEYLD SGWN LNNMPVMEQS VLAHITADIC GMKLPWLYVG MCFSSFCWHI EDHWSYSINY LHWGEPKTWY GVPGYAAEQ ENVMKKLAPE LFVSPDLLH QLVTIMNPNT LMTHEVPVYR TNQCAGEFVI TFPRAYHSGF NQGFNF AEAV NFCTVDWLPL GRQCVEHYRL LHRYCVFSDH EMICKMASKA DVLDVVVAST VQKDMAIMIE

DEKALRETVR KLGVIDSERM DFELLPDDER QCVKCKTTTCF MSAISCSCCKP GLLVCLHHVK
ELCSCPPYKY KLRVRYTLDD LYPMMNALKL RAESYNEWAL NVNEALEAKI NKKKSLVSFK
ALIEESEMKK FPDNDLLRHL RLVTQDAEKC ASVAQQLLNG KRQTRYRSGG GKSQNQLTVN
ELRQFVTQLY ALPCVLSQTP LLKDLLNRVE DFQQHSQKLL SEETPSAAEL QDLLDVSFEF
DVELPQLAEM RIRLEQARWL EEVQQAQLDP SSLTLDDMRR LIDLGVGLAP YSAVEKAMAR
LQELLTVSEH WDDKAKSLLK ARPRHLSLSL ATAVKEIEEI PAYLPNGAAL KDSVQRARDW
LQDVEGLQAG GRVPVLDLTI ELVTRGRSIP VHLNSLPRLE TLVAEVQAWK ECAVNTFLTE
NSPYSLLEVL CPRCDIGLLG LKRKQRKKE PLPNGKKKST KLESLSDLER ALTESKETAS
AMATLGEARL REMEALQSLR LANEGKLLSP LQDVDIKICL CQKAPAAPMI QCELCRDAFH
TSCVAVPSIS QGLRIWLCPH CRRSEKPPLE KILPLLASLQ RIRVRLPEGD ALRYMIERTV
NWQHRAQQLL SSGNLKQVQD RVGSGLLYSR WQASAGQVSD TNKVSQPPGT TSFSLPDDWD
NRTSYLHSPF STGRSCIPLH GVSPEVNELL MEAQLLQVSL PEIQELYQTL LAKPSPAQQT
DRSSPVRPSS EKNDCCRGKR DGINSLERKL KRRLEREGLS SERWERVKKM RTPKKKKIKL
SHPKDMNNFK LERERSYELV RSAETHSLPS DTSYSEQEDS EDEDAICPAV SCLQPEGDEV
DWVQCDGSCN QWFHQVCVGV SPEMAEKEDY ICVRCTVKDA 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.**

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:	KDM5B
Alternative Name:	KDM5B (KDM5B Products)
Background:	<p>Lysine-specific demethylase 5B (EC 1.14.11.67) (Cancer/testis antigen 31) (CT31) (Histone demethylase JARID1B) (Jumonji/ARID domain-containing protein 1B) (PLU-1) (Retinoblastoma-binding protein 2 homolog 1) (RBP2-H1) ([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 (PubMed:24952722, PubMed:27214403, PubMed:28262558). 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. Favors the proliferation of breast cancer cells by repressing tumor suppressor genes such as BRCA1 and HOXA5 (PubMed:24952722). In contrast, may act as a tumor suppressor for melanoma. Represses the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity). {ECO:0000250 UniProtKB:Q80Y84, ECO:0000269 PubMed:12657635, ECO:0000269 PubMed:16645588, ECO:0000269 PubMed:17320161, ECO:0000269 PubMed:17363312, ECO:0000269 PubMed:24952722, ECO:0000269 PubMed:26645689, ECO:0000269 PubMed:26741168, ECO:0000269 PubMed:27214403, ECO:0000269 PubMed:28262558}.</p>
Molecular Weight:	175.7 kDa
UniProt:	Q9UGL1
Pathways:	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.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months