Datasheet for ABIN7554361

KDM5C Protein (AA 1-1560) (His tag)

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Overview

Quantity:	1 mg
Target:	KDM5C
Protein Characteristics:	AA 1-1560
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KDM5C Protein expressed in mammalian cells.
Sequence:	MEPGSDDFLP PPECPVFEPS WAEFRDPLGY IAKIRPIAEK SGICKIRPPA DWQPPFAVEV DNFRFTPRIQ RLNELEAQTR VKLNYLDQIA KFWEIQGSSL KIPNVERRIL DLYSLSKIVV EEGGYEAICK DRRWARVAQR LNYPPGKNIG SLLRSHYERI VYPYEMYQSG ANLVQCNTRP FDNEEKDKEY KPHSIPLRQS VQPSKFNSYG RRAKRLQPDP EPTEEDIEKN PELKKLQIYG AGPKMMGLGL MAKDKTLRKK DKEGPECPPT VVVKEELGGD VKVESTSPKT FLESKEELSH SPEPCTKMTM RLRRNHSNAQ FIESYVCRMC SRGDEDDKLL LCDGCDDNYH IFCLLPPLPE IPKGVWRCPK CVMAECKRPP EAFGFEQATR EYTLQSFGEM ADSFKADYFN MPVHMVPTEL VEKEFWRLVN SIEEDVTVEY GADIHSKEFG SGFPVSDSKR HLTPEEEEYA TSGWNLNVMP VLEQSVLCHI NADISGMKVP WLYVGMVFSA FCWHIEDHWS YSINYLHWGE PKTWYGVPSL AAEHLEEVMK KLTPELFDSQ PDLLHQLVTL MNPNTLMSHG VPVVRTNQCA GEFVITFPRA YHSGFNQGYN FAEAVNFCTA DWLPAGRQCI EHYRRLRRYC VFSHEELICK MAACPEKLDL NLAAAVHKEM FIMVQEERRL RKALLEKGIT EAEREAFELL PDDERQCIKC KTTCFLSALA

	CYDCPDGLVC LSHINDLCKC SSSRQYLRYR YTLDELPAML HKLKVRAESF DTWANKVRVA LEVEDGRKRS LEELRALESE ARERRFPNSE LLQQLKNCLS EAEACVSRAL GLVSGQEAGP HRVAGLQMTL TELRAFLDQM NNLPCAMHQI GDVKGVLEQV EAYQAEAREA LASLPSSPGL LQSLLERGRQ LGVEVPEAQQ LQRQVEQARW LDEVKRTLAP SARRGTLAVM RGLLVAGASV APSPAVDKAQ AELQELLTIA ERWEEKAHLC LEARQKHPPA TLEAIIREAE NIPVHLPNIQ ALKEALAKAR AWIADVDEIQ NGDHYPCLDD LEGLVAVGRD LPVGLEELRQ LELQVLTAHS WREKASKTFL KKNSCYTLLE VLCPCADAGS DSTKRSRWME KELGLYKSDT ELLGLSAQDL RDPGSVIVAF KEGEQKEKEG ILQLRRTNSA KPSPLASSST ASSTTSICVC GQVLAGAGAL QCDLCQDWFH GRCVSVPRLL SSPRPNPTSS PLLAWWEWDT KFLCPLCMRS RRPRLETILA LLVALQRLPV RLPEGEALQC LTERAISWQG RARQALASED VTALLGRLAE LRQRLQAEPR PEEPPNYPAA PASDPLREGS GKDMPKVQGL LENGDSVTSP EKVAPEEGSG KRDLELLSSL LPQLTGPVLE LPEATRAPLE ELMMEGDLLE VTLDENHSIW QLLQAGQPPD LERIRTLLEL EKAERHGSRA RGRALERRRR RKVDRGGEGD DPAREELEPK RVRSSGPEAE EVQEEEELEE ETGGEGPPAP IPTTGSPSTQ ENQNGLEPAE GTTSGPSAPF STLTPRLHLP CPQQPPQQQL **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade:	custom-made

Target Details

Target:	KDM5C
Alternative Name:	KDM5C (KDM5C Products)
Background:	Lysine-specific demethylase 5C (EC 1.14.11.67) (Histone demethylase JARID1C) (Jumonji/ARID domain-containing protein 1C) (Protein SmcX) (Protein Xe169) ([histone H3]-trimethyl-L-lysine(4) demethylase 5C),FUNCTION: Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code (PubMed:28262558). Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements. Represses the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity). {ECO:0000250|UniProtKB:P41230, ECO:0000269|PubMed:17320160, ECO:0000269|PubMed:17320161, ECO:0000269|PubMed:17468742, ECO:0000269|PubMed:26645689, ECO:0000269|PubMed:28262558}.
Molecular Weight:	175.7 kDa
UniProt:	P41229
Pathways:	Warburg Effect

Application Details

Application Notes:	We expect the protein to work for functional studies. 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

Handling

Storage Comment:	Store at -80°C.
Expiry Date:	12 months