

Datasheet for ABIN7564729

KDM4C Protein (AA 1-1054) (His tag)



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Overview

Quantity:	1 mg
Target:	KDM4C
Protein Characteristics:	AA 1-1054
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM4C protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Kdm4c Protein expressed in mammalian cells.
Sequence:	<p>MEVVEVESPL NPSCKIMTFR PSMEEFREFN KYLAYMESKG AHRAGLAKVI PPKWKPRQC</p> <p>YDDIDNLLIP APIQQMVTGQ SGLFTQYNIQ KKAMTVKEFR QLANSSKYCT PRYLDYEDLE</p> <p>RKYWKNLTFV APIYGADING SIYDEGVDEW NIARLNTVLD VVEEECGISI EGVNTPYLYF</p> <p>GMWKTTFAWH TEDMDLYSIN YLHFGPEPSW YAIPPEHGKR LERLAQGFFP SSSQGCD AFL</p> <p>RHKMTLISPS VLKKYGIPFD KITQEAGEFM ITFPYGYHAG FNHGFNCAES TNFATVRWID</p> <p>YGVKAKLCTC RNDMVKISMD IFVKKFQPDY YQIWKQGKDI YTIDHTKPTP ESTPEVKTWL</p> <p>QRKKKLRKPP KSLQGNKPLC KRPKPEEDEE FAEFSGEEGA NPAMGPRHLK VTEKPEKALK</p> <p>LGKLEESSAK EALDTRIQVD QSLNNDTKLS GKGCISSSVT AEIPPEDNRA SAVISPSQLK</p> <p>EGADCIPLSH GHQAGKESHL LKILKLESPK IPSPLPESNK VLTEGEENDE EGHGSNLEPG</p> <p>EIPEALSEER NGLNIPKIIIE GQPKTTKSWR HPLGKPPARS PMTLVKQQVA SDEELPEVLS</p> <p>IDEEVEETES WAKPLIHLWQ TKSPNFMAEQ EYNATVAKME PNCAICTLLM PYYKPDSSKE</p>

ENDSRWETAV NEVVQSGRKT KPIIPEMCFI YSEENVDYSP PNAFLEEDGT SLLISCAKCF
VRVHASCYGV PSHEVCDGWL CARCKRNAWT AECCLCNLRG GALKQTKNNQ WAHVICAVAV
PEVRFTNVPE RTQIDVDRIP LQRLKLKCIF CRHRVKKVSQ ACIQCSYGRC PASFHVTCAN
AAGVLMPEPDD WPYVVNITCF RHRVNSNAKS KTCEKAISVG QTVITKHRNT RYYSCRVIDV
TSQTFYEVMF DDGSFSRDTF PEDIVSRNCV KLGPPAEGEV IQVKWPDGKL YGAKYLGSNV
AYMYQVEFED GSQIAMKRED IYTLDEELPK RVKARFSTAS DMRFEDTFYG ADVIQGERKR
QRVLSSRLKN EYVDDPVYRT FLKSSFQKKC QKRQ **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:

KDM4C

Alternative Name:

Kdm4c ([KDM4C Products](#))

Background:

Lysine-specific demethylase 4C (EC 1.14.11.66) (JmjC domain-containing histone demethylation protein 3C) (Jumonji domain-containing protein 2C) ([histone H3]-trimethyl-L-lysine(9) demethylase 4C),FUNCTION: Histone demethylase that specifically demethylates 'Lys-

Target Details

9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate. {ECO:0000250|UniProtKB:Q9H3R0}.

Molecular Weight:	120.0 kDa
UniProt:	Q8VCD7
Pathways:	Nuclear Hormone Receptor Binding , 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