

Datasheet for ABIN7554271

KDM4C Protein (AA 1-1056) (His tag)



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Overview

Quantity:	1 mg
Target:	KDM4C
Protein Characteristics:	AA 1-1056
Origin:	Human
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>MEVAEVESPL NPSCKIMTFR PSMEEFREFN KYLAYMESKG AHRAGLAKVI PPKEWKPRQC</p> <p>YDDIDNLLIP APIQQMVTGQ SGLFTQYNIQ KKAMTVKEFR QLANSQKYCT PRYLDYEDLE</p> <p>RKYWKNLTFV APIYGADING SIYDEGVDEW NIARLNTVLD VVEEECGISI EGVNTPYLYF</p> <p>GMWKTTFAWH TEDMDLYSIN YLHFGPEPSW YAIPPEHGKR LERLAQGFFP SSSQGCDAFL</p> <p>RHKMTLISPS VLKKYGIPFD KITQEAGEFM ITFPYGYHAG FNHGFNCAES TNFATVRWID</p> <p>YGKVAKLCTC RKDMVKISMD IFVRKFQPDR YQLWKQGKDI YTIDHTKPTP ASTPEVKAWL</p> <p>QRRRKVRKAS RSFQCARSTS KRPKADEEEE VSDEVDGAEV PNPDSVTDDL KVSEKSEAAV</p> <p>KLRNTEASSE EESSASRMQV EQNLSDHKL SGNSCLSTSV TEDIKTEDDK AYAYRSVPSI</p> <p>SSEADDSIPL SSGYEKPEKS DPSELSPWPKS PESCSVAES NGVLTEGEES DVESHGNGLE</p> <p>PGEIPAVPSG ERNSFKVPSI AEGENKTSKS WRHPLSRPPA RSPMTLVKQQ APSDEELPEV</p> <p>LSIEEEVEET ESWAKPLIHL WQTKSPNFAA EQEYNATVAR MKPHCAICTL LMPYHKPDSS</p>

NEENDARWET KLDEVVTSEG KTKPLIPEMC FIYSEENIEY SPPNAFLEED GTSLISCAC
CCVRVHASCY GIPSHEICDG WLCARCKRNA WTAECCLCNL RGGALKQTKN NKWAHVMAV
AVPEVRFTNV PERTQIDVGR IPLQLKLKC IFCRHRVKRV SGACIQCSYG RCPASFHVTC
AHAAGVLMPEP DDWPYVVNIT CFRHKVNPV KSKACEKVIS VGQTVITKHR NTRYYSRVM
AVTSQTFYEV MFDDGSFSRD TFPEDIVSRD CLKLGPPAEG EVVQVKWPDG KLYGAKYFGS
NIAHMYQVEF EDGSQIAMKR EDIYTLDEEL PKRVKARFST ASDMRFEDTF YGADIIQGER
KRQRLSSRF KNEYVADPVY RTFLKSSFQK KCQKRQ **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) (Gene amplified in squamous cell carcinoma 1 protein) (GASC-1 protein) (JmjC domain-containing histone demethylation protein 3C) (Jumonji domain-containing protein 2C) ([histone H3]-trimethyl-L-lysine(9) demethylase 4C),FUNCTION:

Target Details

Histone demethylase that specifically demethylates 'Lys-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:0000269|PubMed:16603238, ECO:0000269|PubMed:28262558}.

Molecular Weight: 120.0 kDa

UniProt: [Q9H3R0](#)

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