

Datasheet for ABIN7554329

## KDM6A Protein (AA 1-1401) (His tag)



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### Overview

Quantity:	1 mg
Target:	KDM6A
Protein Characteristics:	AA 1-1401
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM6A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat KDM6A Protein expressed in mammalian cells.
Sequence:	<p>MKSCGVSLAT AAAAAAAGFD EEKMAAGKA SGESEASPS LTAEEREALG GLDSRLFGFV</p> <p>RFHEDGARTK ALLGKAVRCY ESLILKAEGK VESDFFCQLG HFNLLLEDYP KALSAYQRY</p> <p>SLQSDYWKNA AFLYGLGLVY FHYNFQWAI KAFQEVLYVD PSFCRAKEIH LRLGLMFKVN</p> <p>TDYESSLKHF QLALVDCNPC TLSNAEIQFH IAHLYETQRK YHSAKEAYEQ LLQTENLSAQ</p> <p>VKATVLQQLG WMHHTVDLLG DKATKESYAI QYLQKSLEAD PNSGQSWYFL GRCYSSIGKV</p> <p>QDAFISYRQS IDKSEASADT WCSIGVLYQQ QNQPM DALQA YICAVQLDHG HAAAWMDLGT</p> <p>LYESCNQPQD AIKCYLNATR SKSCSNTSAL AARIKYLQAQ LCNLPQGSLQ NKTLLPSIE</p> <p>EAWSLPIPAE LTRQGAMNT AQQNTSDNWS GGHAVSHPPV QQQAHSWCLT PQKLQHLEQL</p> <p>RANRNNLNPA QKLMLEQLES QFVLMQQHQH RPTGVAQVRS TGIPNGPTAD SSLPTNSVSG</p> <p>QQPQLALTRV PSVSQPGVRP ACPGQPLANG PFSAGHVPCS TSRTLGSTDT ILIGNNHITG</p> <p>SGSNGNVPYL QRNALTLPHN RTNLTSSAEE PWKNQLSNST QGLHKGQSSH SAGPNGERPL</p>

SSTGPSQHLQ AAGSGIQNQ GHPTLPSNSV TQGAALNHL SHTATSGGQQ GITLTKEKP  
SGNILTVPET SRHTGETPNS TASVEGLPNH VHQMTADAVC SPSHGDSKSP GLLSSDNPQL  
SALLMGKANN NVGTGTCDKV NNIHPAVHTK TDNSVASSPS SAISTATPSP KSTEQT TTTNS  
VTSLNSPHSG LHTINGEGME ESQSPMKTDL LLVNHKPSQ IIPMSVSIY PSSAEVLKAC  
RNLGKNGLSN SSILLDKCPP PRPPSSPYPP LPKDKLNPPT PSYLENKRD AFFPPLHQFC  
TNPNNPVTVI RGLAGALKLD LGLFSTKTLV EANNEHMEV RTQLQPADE NWDPTGTKKI  
WHCESNRSHT TIAKYAQYQA SSFQESLREE NEKRSHHKDH SDSESTSSDN SGRRRKGPFK  
TIKFGTNIDL SDDKKWKLQL HELTKLPAFV RVVSAGNLLS HVGHTILGMN TVQLYMKVPG  
SRTPGHQENN NFCSVNINIG PGDCEWFVVP EGYWGV LND FCEKNNLNFLM GSWWPNLEDL  
YEANVPVYRF IQRPGDLVWI NAGTVHWWQA IGWCNNIAWN VGPLTACQYK LAVERYEWNK  
LQSVKSIVPM VHLSWNMARN IKVSDPKLFE MIKYCLLRTL KQCQTLREAL IAAGKEIIWH  
GRTKEEPAHY CSICEVEVFD LLFVTNESNS RKTIVHCQD CARKTSGNLE NFVVLEQYKM  
EDLMQVYDQF TLAPPLPSAS S **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:

KDM6A

## Target Details

Alternative Name:	KDM6A ( <a href="#">KDM6A Products</a> )
Background:	<p>Lysine-specific demethylase 6A (EC 1.14.11.68) (Histone demethylase UTX) (Ubiquitously-transcribed TPR protein on the X chromosome) (Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein) ([histone H3]-trimethyl-L-lysine(27) demethylase 6A),FUNCTION: Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17851529, PubMed:17713478, PubMed:17761849). Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' (PubMed:17851529, PubMed:17713478, PubMed:17761849). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A (PubMed:17761849). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (By similarity). {ECO:0000250 UniProtKB:O70546, ECO:0000269 PubMed:17713478, ECO:0000269 PubMed:17761849, ECO:0000269 PubMed:17851529, ECO:0000269 PubMed:18003914}.</p>
Molecular Weight:	154.2 kDa
UniProt:	<a href="#">O15550</a>
Pathways:	<a href="#">Tube Formation</a> , <a href="#">Warburg Effect</a>

## 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.

## Handling

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Expiry Date: 12 months