Datasheet for ABIN7562560

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

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Overview

Quantity:	1 mg
Target:	KDM6A
Protein Characteristics:	AA 1-1401
Origin:	Mouse
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 mammalien cells.
Sequence:	MKSCGVSLAT AAAAAAAAAF GDEEKKMAAG KASGESEEAS PSLTAEEREA LGGLDSRLFG FVRFHEDGAR MKALLGKAVR CYESLILKAE GKVESDFFCQ LGHFNLLLED YPKALSAYQR YYSLQSDYWK NAAFLYGLGL VYFHYNAFQW AIKAFQEVLY VDPSFCRAKE IHLRLGLMFK VNTDYESSLK HFQLALVDCN PCTLSNAEIQ FHIAHLYETQ RKYHSAKEAY EQLLQTENLS AQVKATILQQ LGWMHHTVDL LGDKATKESY AIQYLQKSLE ADPNSGQSWY FLGRCYSSIG KVQDAFISYR QSIDKSEASA DTWCSIGVLY QQQNQPMDAL QAYICAVQLD HGHAAAWMDL GTLYESCNQP QDAIKCYLNA TRSKNCSNTS GLAARIKYLQ AQLCNLPQGS LQNKTKLLPS IEEAWSLPIP AELTSRQGAM NTAQQNTSDN WSGGNAPPPV EQQTHSWCLT PQKLQHLEQL RANRNNLNPA QKLMLEQLES QFVLMQQHQM RQTGVAQVRP TGILNGPTVD SSLPTNSVSG QQPQLPLTRM PSVSQPGVHT ACPRQTLANG PFSAGHVPCS TSRTLGSTDT VLIGNNHVTG SGSNGNVPYL QRNAPTLPHN RTNLTSSTEE PWKNQLSNST QGLHKGPSSH LAGPNGERPL

Product Details

	SSTGPSQHLQ AAGSGIQNQN GHPTLPSNSV TQGAALNHLS SHTATSGGQQ GITLTKESKP SGNTLTVPET SRQTGETPNS TASVEGLPNH VHQVMADAVC SPSHGDSKSP GLLSSDNPQL SALLMGKANN NVGPGTCDKV NNIHPTVHTK TDNSVASSPS SAISTATPSP KSTEQTTTNS VTSLNSPHSG LHTINGEGME ESQSPIKTDL LLVSHRPSPQ IIPSMSVSIY PSSAEVLKAC RNLGKNGLSN SSILLDKCPP PRPPSSPYPP LPKDKLNPPT PSIYLENKRD AFFPPLHQFC TNPNNPVTVI RGLAGALKLD LGLFSTKTLV EANNEHMVEV RTQLLQPADE NWDPTGTKKI WHCESNRSHT TIAKYAQYQA SSFQESLREE NEKRSHHKDH SDSESTSSDN SGKRRKGPFK TIKFGTNIDL SDDKKWKLQL HELTKLPAFV RVVSAGNLLS HVGHTILGMN TVQLYMKVPG SRTPGHQENN NFCSVNINIG PGDCEWFVVP EGYWGVLNDF CEKNNLNFLM GSWWPNLEDL YEANVPVYRF IQRPGDLVWI NAGTVHWVQA IGWCNNIAWN VGPLTACQYK LAVERYEWNK LQNVKSIVPM VHLSWNMARN IKVSDPKLFE MIKYCLLRTL KQCQTLREAL IAAGKEIIWH GRTKEEPAHY CSICEVEVFD LLFVTNESNS RKTYIVHCQD 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 mammalien 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 (KDM6A Products)
Background:	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. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. 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 (By similarity). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (PubMed:21095589). {ECO:0000250|UniProtKB:O15550, ECO:0000269|PubMed:21095589}.
Molecular Weight:	154.4 kDa
UniProt:	O70546
Pathways:	Tube Formation, 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