

Datasheet for ABIN7554307
Kdm6b Protein (AA 1-1643) (His tag)



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Overview

Quantity:	1 mg
Target:	Kdm6b
Protein Characteristics:	AA 1-1643
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kdm6b protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KDM6B Protein expressed in mammalian cells.
Sequence:	MHRAVDPPGA RAAREAFALG GLSCAGAWSS CPPHPPRSA WLPGGRCAS IGQPPLPAPL PPSHGSSSGH PSKPYYAPGA PTPRPLHGKL ESLHGCVQAL LREPAQPGLW EQLGQLYESE HDSEEATRCY HSALRYGGSF AELGPRIGRL QQAQLWNFHT GSCQHRRAKVL PPLEQVWNLL HLEHKRNYGA KRGGPPVKRA AEPPVVQPVP PAALSGPSGE EGLSPGGKRR RGCNSEQTGL PPGLPLPPPP LPPPPPPPPP PPPPLPGLAT SPPFQLTKPG LWSTLHGDAW GPERKGSAPP ERQEQRHSLP HPYPYPAPAY TAHPPGHRLV PAAPPGGPR PPGAESHGCL PATRPPGSDL RESRVQRSRM DSSVSPAATT ACVPYAPSRP PGLPGTTTSS SSSSSSNTGL RGVEPNPGIP GADHYQTPAL EVSHHGRLGP SAHSSRKPFV GAPAATPHLS LPPGPSSPPP PPCPRLLRPP PPPAWLKGA CRAAREDEGEI LEELFFGTEG PPRPAPPPLP HREGFLGPPA SRFSVGTQDS HTPPTPPTPT TSSSNSNSGS HSSSPAGPVS FPPPPYLARS IDPLRPPSP AQNPQDPPLV PLTLALPPAP PSSCHQNTSG SFRRPESRP RVSPFKTPEV GPGPPPGLS KAPQVPPGV GELPARGPRL FDFPPTPLED QFEPAEFKI LPDGLANIMK MLDESIRKEE EQQHEAGVA

PQPPLKEPFA SLQSPFPTDT APTTTAPAVA VTTTTTTTTT TTATQEEEEK PPPALPPPPP
LAKFPPPSQP QPPPPPPSP ASLLKSLASV LEGQKYCYRG TGAAVSTRPG PLPTTQYSPG
PPSGATALPP TSAAPSAQGS PQPSASSSSQ FSTSGGPWAR ERRAGEEPVP GPMTPTQPPP
PLSLPPARSE SEVLEEISRA CETLVERVGR SATDPADPVD TAEPADSGTE RLLPPAQAKE
EAGGVAAVSG SCKRRQKEHQ KEHRRHRRAC KDSVGRRPRE GRAKAKAKVP KEKSRRVLGN
LDLQSEEIQG REKSRPDLGG ASKAKPPTAP APPSAPAPSA QTPPSASVP GKKAREEAPG
PPGVS RADML KLRLSEGGP KELKIRLIKV ESGDKETFIA SEVEERRLRM ADLTISHCAA
DVVRASRNAK VKGKFRESYL SPAQSVKPKI NTEEKLPREK LNPPTPSIYL ESKRDAFSPV
LLQFCTDPRN PITVIRGLAG SLRLNLGLFS TKTLVEASGE HTVEVRTQVQ QPSDENWDLT
GTRQIWPCES SRSHTTIKY AQYQASSFQE SLQEEKESED EESEEPDSTT GTPPSSAPDP
KNHHIIKFGT NIDLSDAKRW KPQLQELLKL PAFMRVTSTG NMLSHVGHTI LGMNTVQLYM
KVPGRTPGH QENNNFCSVN INIGPGDCEW FAVHEHYWET ISAFCDRHGV DYLTGSWWPI
LDDLYASNIP VYRFVQRPD LVWINAGTVH WVQATGWCNN IAWNVGPLTA YQYQLALERY
EWNEVKNVKS IVPMIHVSWN VARTVKISDP DLFKMIKFCL LQSMKHCQVQ RESLVRAGKK
IAYQGRVKDE PAYYCNECDV EVFNILFVTS ENGSRNTYLV HCEGCARRRS AGLQG VVVLE
QYRTEELAQA YDAFTLAPAS TSR **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.

Product Details

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Kdm6b
Alternative Name:	KDM6B (Kdm6b Products)
Background:	<p>Lysine-specific demethylase 6B (EC 1.14.11.68) (JmjC domain-containing protein 3) (Jumonji domain-containing protein 3) (Lysine demethylase 6B) ([histone H3]-trimethyl-L-lysine(27) demethylase 6B),FUNCTION: Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17825402, PubMed:17851529, PubMed:17713478, PubMed:18003914). Demethylates trimethylated and dimethylated H3 'Lys-27' (PubMed:17825402, PubMed:17851529, PubMed:17713478, PubMed:18003914). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation (PubMed:17825402). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression by acting as a link between T-box factors and the SMARCA4-containing SWI/SNF remodeling complex (By similarity). {ECO:0000250 UniProtKB:Q5NCY0, ECO:0000269 PubMed:17713478, ECO:0000269 PubMed:17825402, ECO:0000269 PubMed:17851529, ECO:0000269 PubMed:18003914, ECO:0000269 PubMed:28262558}.</p>
Molecular Weight:	176.6 kDa
UniProt:	O15054
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
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Handling

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