Datasheet for ABIN7554306

KDM2B Protein (AA 1-1336) (His tag)

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Overview

Quantity:	1 mg
Target:	KDM2B
Protein Characteristics:	AA 1-1336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM2B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KDM2B Protein expressed in mammalien cells.
Sequence:	MAGPQMGGSA EDHPPRKRHA AEKQKKKTVI YTKCFEFESA TQRPIDRQRY DENEDLSDVE EIVSVRGFSL EEKLRSQLYQ GDFVHAMEGK DFNYEYVQRE ALRVPLIFRE KDGLGIKMPD PDFTVRDVKL LVGSRRLVDV MDVNTQKGTE MSMSQFVRYY ETPEAQRDKL YNVISLEFSH TKLEHLVKRP TVVDLVDWVD NMWPQHLKEK QTEATNAIAE MKYPKVKKYC LMSVKGCFTD FHIDFGGTSV WYHVFRGGKI FWLIPPTLHN LALYEEWVLS GKQSDIFLGD RVERCQRIEL KQGYTFFIPS GWIHAVYTPV DSLVFGGNIL HSFNVPMQLR IYEIEDRTRV QPKFRYPFYY EMCWYVLERY VYCVTQRSHL TQEYQRESML IDAPRKPSID GFSSDSWLEM EEEACDQQPQ EEEEKDEEGE GRDRAPKPPT DGSTSPTSTP SEDQEALGKK PKAPALRFLK RTLSNESEES VKSTTLAVDY PKTPTGSPAT EVSAKWTHLT EFELKGLKAL VEKLESLPEN KKCVPEGIED PQALLEGVKN VLKEHADDDP SLAITGVPVV TWPKKTPKNR AVGRPKGKLG PASAVKLAAN RTTAGARRRR TRCRKCEACL RTECGECHFC KDMKKFGGPG RMKQSCIMRQ CIAPVLPHTA

Product Details

	VCLVCGEAGK EDTVEEEEGK FNLMLMECSI CNEIIHPGCL KIKESEGVVN DELPNCWECP KCNHAGKTGK QKRGPGFKYA SNLPGSLLKE QKMNRDNKEG QEPAKRRSEC EEAPRRRSDE HSKKVPPDGL LRRKSDDVHL RKKRKYEKPQ ELSGRKRASS LQTSPGSSSH LSPRPPLGSS LSPWWRSSLT YFQQQLKPGK EDKLFRKKRR SWKNAEDRMA LANKPLRRFK QEPEDELPEA PPKTRESDHS RSSSPTAGPS TEGAEGPEEK KKVKMRRKRR LPNKELSREL SKELNHEIQR TENSLANENQ QPIKSEPESE GEEPKRPPGI CERPHRFSKG LNGTPRELRH QLGPSLRSPP RVISRPPPSV SPPKCIQMER HVIRPPPISP PPDSLPLDDG AAHVMHREVW MAVFSYLSHQ DLCVCMRVCR TWNRWCCDKR LWTRIDLNHC KSITPLMLSG IIRRQPVSLD LSWTNISKKQ LSWLINRLPG LRDLVLSGCS WIAVSALCSS SCPLLRTLDV QWVEGLKDAQ MRDLLSPPTD NRPGQMDNRS KLRNIVELRL AGLDITDASL RLIIRHMPLL SKLHLSYCNH VTDQSINLLT AVGTTTRDSL TEINLSDCNK VTDQCLSFFK RCGNICHIDL RYCKQVTKEG CEQFIAEMSV SVQFGQVEEK LLQKLS **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:	KDM2B

Target Details

Alternative Name:	KDM2B (KDM2B Products)
Background:	Lysine-specific demethylase 2B (EC 1.14.11.27) (CXXC-type zinc finger protein 2) (F-box and leucine-rich repeat protein 10) (F-box protein FBL10) (F-box/LRR-repeat protein 10) (JmjC domain-containing histone demethylation protein 1B) (Jumonji domain-containing EMSY-interactor methyltransferase motif protein) (Protein JEMMA) (Protein-containing CXXC domain 2) ([Histone-H3]-lysine-36 demethylase 1B),FUNCTION: Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36' (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation (PubMed:16362057, PubMed:17994099). May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (Probable). {ECO:0000269|PubMed:16362057, ECO:0000269|PubMed:17994099, ECO:0000269|PubMed:26237645, ECO:0000305}.
Molecular Weight:	152.6 kDa
UniProt:	Q8NHM5
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.

Handling

Expiry Date:	12 months

