

Datasheet for ABIN7563827
Kdm6b Protein (AA 1-1641) (His tag)



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Overview

Quantity:	1 mg
Target:	Kdm6b
Protein Characteristics:	AA 1-1641
Origin:	Mouse
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 RSAREAFALG GLSCAGAWSS CPPHPPRSS WLPGGRCAS VGQPPLSAPL PPSHGSSSGH PNKPYYPAGT PTPRPLHGKL ESLHGCVQAL LREPAQPGLW EQLGQLYESE HDSEEAVCCY HRALRYGGSF AELGPRIGRL QQAQLWNFHA GSCQHRAKVL PPLEQVWNLL HLEHKRNYGA KRGPPVKRS AEPPVVQPMP PAALSGPSGE EGLSPGGKRR RGCSSSEQAGL PPGLPLPPPP PPPPPPPPPP PPPPPLPGL AISPPFQLTK PGLWNTLHGD AWGPERKGSA PPERQEQRHS MPHSYPYPAP AYSAHPPSHR LVPNTPLGPG PRPPGAESHG CLPATRPPGS DLRESRVQRS RMDSSVSPAA STACVPYAPS RPPGLPGTSS SSSSSSSSNN TGLRGVEPSP GIPGADHYQN PALEISPHQA RLGPSAHSSR KPFLTAPAAT PHLSLPPGTP SSPPPPCPRL LRPPPPAWM KGSACRAARE DGEILGELFF GAEGPPRPPP PPLPHRDGFL GPPNPRFSVG TQDSHNPIP PTTTSSSSSS NSHSSSPTGP VPFPSPSYLA RSIDPLRPS SPTLSPQDPP LPPLTLALPP APPSSCHQNT SGSFRRSESP RPRVSFPKTP EVGQGPPPGP VSKAPQPVPP GVGELPARGP RLFDFPPTPL EDQFEPAEF KILPDGLANI MKMLDESIRK EEEQQQQQEA

GVAPPPPLKE PFASLQPPFP SDTAPATTTA APTTATTTTT TTTTTTQEEE KKPPPALPPP
PPLAKFPPPP QPQPPPPPA SPASLLKSLA SVLEGQKYCY RGTGAAVSTR PGSVPATQYS
PSPASGATAP PPTSVAPSAQ GSPKPSVSSS SQFSTSGGPW AREHRAGEEP APGPVTPAQL
PPPLPLPPAR SESEVLEEIS RACETLVERV GRSAINPVDI ADPVDSTGTEP QPPPAQAKKE
SGGVAVAAAG PGSGKRRQKE HRRHRRACRD SVGRRPREGR AKAKAKAPKE KSRRVLGNLD
LQSEEIQGRE KARPVGGVS KVKTPTAPAP PPAPAPAAQP TPPSAPVPGK KTREEAPGPP
GVS RADMLKL RSLSEGPPKE LKIRLIKVES GDKETFIASE VEERRLRMAD LTISHCAADV
MRASKNAKVK GKFRESYLSP AQSVPKINT EEKLPREKLN PPTPSIYLES KRDAFSPVLL
QFCTDPRNPI TVIRGLAGSL RLNLGLFSTK TLVEASGEHT VEVRTQVQQP SDENWDLTGT
RQIWPCSSR SHTTIAKYAQ YQASSFQESL QEERESEDEE SEEPDSTTGT SPSSAPDPKN
HHIIKFGTNI DLSDAKRWKP QLQELLKLP A FMRVTSTGNM LSHVGHITLG MNTVQLYMKV
PGSRTPGHQE NNNFCSVNIN IGPGDCEWFA VHEHYWETIS AFCDRHGVDY LTGSWWPILD
DLYASNIPVY RFVQRPGDLV WINAGTVHWV QATGWCNNIA WNVGPLTAYQ YQLALERYEW
NEVKNVKSIV PMIHVSWNVA RTVKISDPDL FKMIKFLLQ SMKHCQVQRE SLVRAGKKIA
YQGRVKDEPA YYCNECDVEV FNILFVTSN GSRNTYLVHC EGCARRRSAG LQGVVLEQY
RTEELAQAYD AFTLAPASTS R **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:	Lysine-specific demethylase 6B (EC 1.14.11.68) (JmjC domain-containing protein 3) (Jumonji domain-containing protein 3) ([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. Demethylates trimethylated and dimethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. 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 (PubMed:21095589). {ECO:0000269 PubMed:17825402, ECO:0000269 PubMed:21095589}.
Molecular Weight:	176.4 kDa
UniProt:	Q5NCY0
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
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C

Handling

Storage Comment: Store at -80°C.

Expiry Date: 12 months