

Datasheet for ABIN7563958
KDM5D Protein (AA 1-1548) (His tag)



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Overview

Quantity:	1 mg
Target:	KDM5D
Protein Characteristics:	AA 1-1548
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5D protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kdm5d Protein expressed in mammalian cells.
Sequence:	MKPGSDDFLP PPECPVFEPS WAEFRDPLGY IAKIRPIAEK SGICKIRPPA DWQPPFAVEV DNFRFTPRIQ RLNELEAQTR VKLNYLDQIA KFWEIQGSSL KIPNVERKIL DLYSLNKIVM EEGGYEAICK DRRWARVAQR LNYPGKGNIG SLLRSHYERI IYPYEIFQSG ANLVQCNTDP FDSEERDKEY KPHSIPLRQS VQPSKFSCYS RRGKRLQPEP EPTIEDIEKN PELKKLQIYG AGPKMIGLGL KAKEKTLRKK DSKQPDKEEV TCPATIVVKG EASEFGKVTS AFSDKNLNHS FPCMKMTMQ LRNNHSSTQF MNSYVCRICS RGDEVKDFLL CDGCSADNYHI FCLLPPLSEV PKGVWRCPKC ILAECKSPPE AFGFEQATQE YTLQSFGEA DSFKADYFNM PVHMPVTEVV EKEFWRLVSS IEDVTVEYG ADIHSKEFGS GFPVNNSKWD LSPEEKEYAA CGWNLNVMPV LDQSVLCHIN ADISGMKVPW LYVGMVFSAF CWHIEDHWSY SINYLHWGEP KTWYGVPSLA AEHLEDVMKR LTPELFDSQP DLLHQLVTLM NPNTLMSHGVPVVRTNQCAG EFVITFPRAY HSGFNQGYNF AEAVNFCTAD WLPVGRQCIE HYRRLRRYCV FSHEELICKM AAFPEKLDLN LAVAVHKEMF IMVQEERRLR KTLLEKGITE AERAFELLP DDERQCIKCK TTCFLSALAC

YDCPDSLVLCL SHINDLCKCS RNRQYLRYRY TLDELPAMLQ KLKIRAESFD NWANKVQAAL
EVEDGRKRSF EELRALESEA RDRRFPNSEL LQRLKKCLTE AEACISQVLG LISNSEDRLQ
TPQITLTELQ LLLKQMGTL PCTMHQIDEVK DVLQQVESYQ IETREALTSL PYSLEILQSL
MEKGQQLRVE VPEAHQLEEL LEQAQWLDQV KQALAPSGQR HSLVIMKKLL VMGTKVASSP
SVNKARAEQ ELLTIAECWE EKAHFCLKAS QKHSPATLEV IIREAENIPV YLPNIQSLKE
ALTKAQAWIA DVNEIQNGDH YPCLDDLEGL VAVGRDLPVE LEELRQLENQ VLTAAHSWKEK
ASKTFLKNS CYTLLEVLCP CADAGSVSTK RSRWIEKEMG LYKYDTELLG LSAQDLRDPG
SVIMAFKEGE EKEKEGILHL RHINSAKPSP MSSSMNASAT SICICGQVCA GVESLQCDLC
HDWFHGQCVT VPHLLSSVRA SHTSSQLLAW WEWDTKFLCP LCMRSRRPRL ETILSLLVGL
QRLSVRLPEG EALQCLTERA IGWQGRARQA LASEDVTALL KQLEKSRQQL QDELRHKKPP
TLP SGFAFDC LTENSGKDIL KEEELVLNE ERIKSSEKIV PKESSCKGDK ELLPSLLSQL
TGPVLELPEA TRAPLEELMM EGDILLEVTLD ENYSIWQLLQ AGQNPNLERI HTLLELEKPE
NPGNWSEEQT PERRRQRRQK VVLSRKGEDF TQKELESKR V KSSRIKPKEE KFQKPILGDN
VLYTHTEHT NILKEHINSV QGKDPSPSSS FPSLTPLLHL SYFHQQKL **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.

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

Product Details

Grade: custom-made

Target Details

Target: KDM5D

Alternative Name: [Kdm5d \(KDM5D Products\)](#)

Background: Lysine-specific demethylase 5D (EC 1.14.11.67) (Histocompatibility Y antigen) (H-Y) (Histone demethylase JARID1D) (Jumonji/ARID domain-containing protein 1D) (Protein SmcY) ([histone H3]-trimethyl-L-lysine(4) demethylase 5D),FUNCTION: Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. May play a role in spermatogenesis. Involved in transcriptional repression of diverse metastasis-associated genes, in this function seems to cooperate with ZMYND8. Suppresses prostate cancer cell invasion. Regulates androgen receptor (AR) transcriptional activity by demethylating H3K4me3 active transcription marks (By similarity). {ECO:0000250|UniProtKB:Q9BY66, ECO:0000269|PubMed:3951555, ECO:0000269|PubMed:7544442}.

Molecular Weight: 177.0 kDa

UniProt: [Q62240](#)

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

Storage Comment: Store at -80°C.

Handling

Expiry Date: 12 months