

Datasheet for ABIN3135534
KDM5D Protein (AA 1-1548) (His tag)

1 Image

[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KDM5D
Protein Characteristics:	AA 1-1548
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM5D protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MKPGSDDFLP PPECVPFEPS WAEFRDPLGY IAKIRPIAEK SGICKIRPPA DWQPPFAVEV DNFRFTPRIQ RLNELEAQTR VKLNYLDQIA KFWEIQGSSL KIPNVERKIL DLYSLNKIVM EEGGYEAICK DRRWARVAQR LNYPGSKNIG SLLRSHYERI IYPYEIFQSG ANLVQCNTDP FDSEERDKEY KPHSIPLRQS VQPSKFSCYS RRGKRLQPEP EPTEEDIEKN PELKKLQIYG AGPKMIGLGL KAKEKTLRKK DSKQPDKEEV TCPATIVVKG EASEFGKVTS AFSDKNLNHS FPCMKMTMQ LRNNHSSTQF MNSYVCRICS RGDEVDFKLL CDGCSDNYHI FCLLPPLSEV PKGVMRCPKC ILAECKSPPE AFGFEQATQE YTLQSFGEA DSFKADYFNM PVHMPVTEVV EKEFWRLVSS IEEDVTVEYG ADIHSKEFGS GFPVNNSKWD LSPEEKEYAA CGWNLNVMPV LDQSVLCHIN ADISGMKVPW LYVGMVFSAF CWHIEDHWSY SINYLHWGEP KTWYGVPSLA AEHLEDVMKR LTPELFDSQP DLLHQLVTLM NPNTLM SHGV PVVRTNQ CAG EFVITFPRAY HSGFNQGYNF AEAVNFCTAD WLPVGRQCIE HYRRLRRYCV FSHEELICKM AAFPEKLDLN LAVAVHKEMF IMVQEERRLR KTLLEKGITE AERAFELLP DDERQCICKK TTCFLSALAC
-----------	---

YDCPDSLVLCL SHINDLCKCS RNRQYLRYRY TLDELPAMLQ KLKIRAESFD NWANKVQAAL
EVEDGRKRSF EELRALESEA RDRRFPNSEL LQRLKKCLTE AEACISQVLG LISNSEDRLQ
TPQITLTELQ LLLKQMGTLP CTMHQIDEVK DVLQQVESYQ IETREALTSL PYSLEILQSL
MEKGQQLRVE VPEAHQLEEL LEQAQWLDQV KQALAPSGQR HSLVIMKKLL VMGTVKASSP
SVNKARAEQ ELLTIAECWE EKAHFCLKAS QKHSPATLEV IIREAENIPV YLPNIQSLKE
ALTKAQAWIA DVNEIQNGDH YPCLDDLEGL VAVGRDLPVE LEELRQLENQ VLTAAHSWKEK
ASKTFLKKNS CYTLLEVLCPCADAGSVSTK RSRWIEKEMG LYKYDTELLG LSAQDLRDPG
SVIMAFKEGE EKEKEGILHL RHINSAKPSP MSSSMNASAT SICICGQVCA GVESLQCDLC
HDWFHGGCVT VPHLLSSVRA SHTSSQLLAW WEWDTKFLCP LCMRSRRPRL ETILSLLVGL
QRLSVRLPEG EALQCLTERA IGWQGRARQA LASEDVTALL KQLEKSRQQL QDELRHKKPP
TLPSGFAFDC LTENSGKDIL KEEELVLNE ERIKSSEKIV PKESSCKGDK ELLPSLLSQL
TGPVLELPEA TRAPLEELMM EGDLEVTLD ENYSIWQLLQ AGQNPNLERI HTLLELEKPE
NPGNWSEEQT PERRRQRRQK VVLSRKGEDF TQKELESKRK KSSRIKPKEE KFQKPILGDN
VLYTHHTEHT NILKEHINSV QGKDPSPSSS FPSLTPLLHL SYFHQQKL

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Kdm5d Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	KDM5D
Alternative Name:	Kdm5d (KDM5D Products)
Background:	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 (By similarity). {ECO:0000250, ECO:0000269 PubMed:3951555, ECO:0000269 PubMed:7544442}.
Molecular Weight:	178.0 kDa Including tag.
UniProt:	Q62240
Pathways:	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.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher

Application Details

molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process