

Datasheet for ABIN3135870
KDM3B Protein (AA 2-1562) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	KDM3B
Protein Characteristics:	AA 2-1562
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM3B protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS), Crystallization (Crys)

Product Details

Sequence:	ADAAASPVGK RLLLLFADPT ASASASAPTA AAVVSGDPGP ALRTRAWRAG TVRAMSGAVP QDLAIFVEFD GCNWKQHSWV KVHAEDVLAL LLEGSLVWAP RKDPVLLQGT RVPVAQWPAL TFTPLVDKLG LGSVPVVEYL VDRELRLSD ANGMHLFQMG TDVQNQILLE HAALRETVNA LISDQKLQEI FSRGPYSVQG HRVKVYQPEG EEVWLCGVVS RQDSVTRLME VSITETGEVK SVDPRLTHVM LMDSSTPQSE NSRNSSLASS GFGVSLSSLS QPLTFGSGRS QSNGVLATDN KPLGFSFSCS SASESQKDS LSKNLFFQCM SQNVPSTNYL SRVSESVADD SSSRDSFTQS LESLTSGLCK GRSVLGADTQ PGPKAGSSVD RKVPAESMPT LTPAFPRSL NTRTPENHEN LFLQPPKLSR EEPNPFLLAF VEKVEHSPFS SFVSQASGSS SSATSVTSKA TASWPESHSS AESAPLAKKK PLFITDSSK LVSGVLGSAL STGSPSLSAV GNGRSSSPTN SLTQPIEMPT LSSSPTEERP TVGPGQQDNP LLKTFSTVFG RHSGSFLSAP AEFAQENKAP FEAVKRFSLD ERSLACRQDS DSSTNSDLSD LSDSEEQLQA KSKLKGIEH LMGKLGPNGE RSAELLGKG KGKQAPKGRP RTAPLKVQGS VLKDVSKVRK LKQSGEPFLQ DGSCINVAPH LHKCRECRLE
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RYRKFKEQEQ DDSTVACRFF HFRRLVFTRK GVL RVEGFLS PQQSDPDAMN LWIPSSSLAE
GIDLETSKYI LANVG DQFCQ LVMSEKEAMM MVEPHQKVAW KRAVRGVREM CDVCETTLFN
IHWVCRKCGF GVC LDCYRLR KSRPRSETEE MGDEEVFSWL KCAKGQSHEP ENLMPTQIIP
GTALYNIGDM VHAARGKWGI KANCPCISRQ SKSVLRPAVT NGISQLPSVT PSASSGNETT
FSSGGGAAAV TNPEPDQVPK GAGTDGRSEE PLKAEGSASN SNSELKAIRP PCPDTAPPSS
ALHWLADLAT QKAKEETKDA GSLRSVLNKE SHSPFGLDSF NSTAKVSPLT PKLFNSLLLG
PTASNSKTEG SSLRDLLHSG PGKLPQTPLD TGIPFPVFS SSSAVAKSKA SLPDFLDHII
ASVVENKKTS DPSKRSCNLT DTQKEVKEMA MGLNVLDPHT SHSWLCDGRL LCLHDPSNKN
NWKIFRECWK QGQPVLVSGV HKKLKSELWK PEAFSQEFGD QDVDLVNCRN CAISDVKVR
DFWDGFEIIC KLRSEDGQP MVLKLKD WPP GEDFRDMMPT RFEDLMENLP LPEYTKRDGR
LNLASRLPSY FVRPDLGPKM YNAYGLITAE DRRVGTTLNH LDVSDAVNVM VYVGIPVGE
AHDEEV LKTI DEGDADEVTK QRIHDGKEKP GALWHIYAAK DAEKIRELLR KVGEEQGQEN
PPDHDPIHDQ SWYLDQILRK RLFEYGVQG WAIVQFLGDA VFIPAGAPHQ VHNLYSCIKV
AEDFVSPEHV KHC FRLTQEF RHLSNTHTNH EDKLQVKNII YHAVKDAVGT LKAHESKLAR S

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 Kdm3b 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:	<p>Two step purification of proteins expressed in baculovirus infected SF9 insect cells:</p> <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:	KDM3B
Alternative Name:	Kdm3b (KDM3B Products)
Background:	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate May have tumor suppressor activity (By similarity). {ECO:0000250}.
Molecular Weight:	171.7 kDa Including tag.
UniProt:	Q6ZPY7
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 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.

Application Details

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