Datasheet for ABIN7548708

JMJD2D Protein (AA 1-523) (His tag)

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Overview

Quantity:	1 mg
Target:	JMJD2D (KDM4D)
Protein Characteristics:	AA 1-523
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JMJD2D protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KDM4D Protein expressed in mammalien cells.
Sequence:	METMKSKANC AQNPNCNIMI FHPTKEEFND FDKYIAYMES QGAHRAGLAK IIPPKEWKAR ETYDNISEIL IATPLQQVAS GRAGVFTQYH KKKKAMTVGE YRHLANSKKY QTPPHQNFED LERKYWKNRI YNSPIYGADI SGSLFDENTK QWNLGHLGTI QDLLEKECGV VIEGVNTPYL YFGMWKTTFA WHTEDMDLYS INYLHLGEPK TWYVVPPEHG QRLERLAREL FPGSSRGCGA FLRHKVALIS PTVLKENGIP FNRITQEAGE FMVTFPYGYH AGFNHGFNCA EAINFATPRW IDYGKMASQC SCGEARVTFS MDAFVRILQP ERYDLWKRGQ DRAVVDHMEP RVPASQELST QKEVQLPRRA ALGLRQLPSH WARHSPWPMA ARSGTRCHTL VCSSLPRRSA VSGTATQPRA AAVHSSKKPS STPSSTPGPS AQIIHPSNGR RGRGRPPQKL RAQELTLQTP AKRPLLAGTT CTASGPEPEP LPEDGALMDK PVPLSPGLQH PVKASGCSWA PVP **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**

Product Details

	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:	JMJD2D (KDM4D)
Alternative Name:	KDM4D (KDM4D Products)
Background:	Lysine-specific demethylase 4D (EC 1.14.11.66) (JmjC domain-containing histone demethylation protein 3D) (Jumonji domain-containing protein 2D) ([histone H3]-trimethyl-L-lysine(9) demethylase 4D),FUNCTION: Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Demethylates both di- and trimethylated H3 'Lys-9' residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates formaldehyde and succinate. {ECO:0000269|PubMed:16603238, ECO:0000269|PubMed:35145029}.
Molecular Weight:	58.6 kDa
UniProt:	Q6B0I6
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.
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.
Expiry Date:	12 months

