

Datasheet for ABIN7557137
JMJD2D Protein (AA 1-510) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | JMJD2D (KDM4D) |
| Protein Characteristics: | AA 1-510 |
| Origin: | Mouse |
| 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 mammalian cells. |
| Sequence: | <p>MKTKSTCAQN PNCSIMIFRP TKEEFNDFDK YIAYMESQGA HRAGLAKVIP PKEWRARQSY DNISNILIAT PLQQVVSQGA GVFTQYHKKK KGMTVGGEYRE LANSKKYQTP PHLDFEDLER KYWKNRLYES PIYGADVSGS LFDGKTQQWN VGHLGTIQDL LEQECGIVIE GVNTPLYFYG MWKTTFAWHT EDMDLYSINY LHFGQPKTWY AVPEHGRRRL ERLARELFPG SSQGCQAFLR HKVALISPTV LKENGIPFGR ITQEAGEFMV TFPYGYHAGF NHGFNCAEI NFATPRWIDY GKVASQCSCG EARVSFSMDA FVRILQPERY ELWKRQDQA VVDHTETMVS TSQELTTRRV TKAPRKTWGL KRLRLRQVSR SLLPIATVSN VPCNMVQVCHT SRQPSDVKGD DVQKSDSARA SPHPLSLPSS GHMSTRRCSL GRRPCELGAQ ESSNGAPVKR QLPAGRDDTS PSPELQPQAV SGDLIVDSGL VNPQPQHLMT ASEGGLTSDP 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</p> |

contact us.

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, 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:0000250|UniProtKB:Q6B0I6}.

Molecular Weight:

57.2 kDa

UniProt:

[Q3U2K5](#)

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 |