

Datasheet for ABIN7558496
JMJD4 Protein (AA 1-427) (His tag)



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Overview

Quantity:	1 mg
Target:	JMJD4
Protein Characteristics:	AA 1-427
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JMJD4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Jmjd4 Protein expressed in mammalian cells.
Sequence:	<p>MDRETRTFAE RYYRDLRDPV PSGGGGPTPS GVTFIQTPNA FSYADFKVGF LLPNLPCVFS SAFTEGWGSR RRWVTSEGKP DFEYLQKYG DAVVPVANC G VREYNSNPKE HMSFRDYISY WKDYIQGSYS SSRGCLYLKD WHLCRDSL N DLEDFTLPV YFSSDWLNEF WDV LNVDYR FVYAGPRGTW SPFHADIFRS FSWSVNICGK KKWLFPPGE EEALRDCHGN LPYDVTSTEL LDTHLYPKIQ HHSLPIEVQ EPGEMVFVPS GWHHQVYNLD DTISINHNWV NGCNLPNMWH FLQQELQAVQ HEVEEWKDSM PDWHHCQVI MKSCTGINFE EFYHFLKVIA EKRLLVLEQG LKGDSGDSRS LDLGLQQA F DIGRLADVLA SVVVPDFQR VDTSAFSPQP EELLQQLEDA VAAA EAL 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	JMJD4
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Alternative Name:	Jmjd4 (JMJD4 Products)
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Background:	2-oxoglutarate and iron-dependent oxygenase JMJD4 (EC 1.14.11.-) (JmjC domain-containing protein 4) (Jumonji domain-containing protein 4) (Lysyl-hydroxylase JMJD4),FUNCTION: Catalyzes the 2-oxoglutarate and iron-dependent C4-lysyl hydroxylation of ETF1 at 'Lys-63' thereby promoting the translational termination efficiency of ETF1 (By similarity). Not essential for embryonic stem cell (ESC) maintenance and the embryonic and postnatal development (PubMed:27147518). {ECO:0000250 UniProtKB:Q9H9V9, ECO:0000269 PubMed:27147518}.
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Molecular Weight:	49.2 kDa
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UniProt:	Q8BFT6
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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.
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Application Details

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