

Datasheet for ABIN7558842

## MEI4 Protein (AA 1-389) (His tag)



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### Overview

Quantity:	1 mg
Target:	MEI4
Protein Characteristics:	AA 1-389
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEI4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Mei4 Protein expressed in mammalian cells.
Sequence:	<p>MDIQPWYLKT SKLALALAI HSKPADRSSR EYTEYLASLV TQKESTWKS LEALEAEVLQ</p> <p>LRQKLLLSRI SSGLFKNGPD VLPTLSDQEP TSENTLTLM DSGCVLSNE QRNEPAELSQ</p> <p>HFVESTDPPL LPLPLEKRPR TTLENPLSSH MQFFQHLEL KKWTESSSLK VYLTHFEKDS</p> <p>STVSDSVSQL LDALITFYRN PKLPFSSFWT EAVGTLARLA SDFNLSNHIF KRCSKKLEEF</p> <p>EKTLLQAILE NNSINRFQVQ RYVSQSLVTL GSCSLLRKS ISLLLSEVNS FVDDLGAIDQ</p> <p>DQGIYDVTRY ENIFSLFWIL EQVLQAPQG DRTAHMDHSI PEMQTFLQKH DEVIFRLSDA</p> <p>FPLFAFYLR LGVLLNSAEM ETVKNESLP</p> <p><b>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.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	MEI4
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Alternative Name:	Mei4 ( <a href="#">MEI4 Products</a> )
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Background:	Meiosis-specific protein MEI4,FUNCTION: Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination (PubMed:20551173, PubMed:25795304, PubMed:27723721). Probably acts by forming a complex with IHO1 and REC114, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis (PubMed:27723721). {ECO:0000269 PubMed:20551173, ECO:0000269 PubMed:25795304, ECO:0000269 PubMed:27723721}.
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Molecular Weight:	44.5 kDa
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UniProt:	<a href="#">Q8BRM6</a>
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## Application Details

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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