

Datasheet for ABIN7561002  
**MEIOB Protein (AA 1-470) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MEIOB
Protein Characteristics:	AA 1-470
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEIOB protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat MeioB Protein expressed in mammalian cells.
Sequence:	<p>MAKFFALKNF TALSDLHPNM ANLKIIGIVI GKTDVKGFPD RKNIGSERYT FSFTIRDSPC  HFVNVSSWGS EDYIRSLSES FRVAECVIE NPLIQRKDTE REEFSPATP SNYKLLSEN  HSMVKVCSFY EVDTKLLSLI HLPVKESRDY YSLADIVANG HSLDGRINNV LAAVRSVGEP  KYFTTSRRK GQRCEVKLFD ETEPSFTMTC WDNESILLAQ SWMARETVIF ASDVRINFNK  FQNCMAATVI SKTIITVNPDP TPEANILLNY IRENKETNVA DEIDSYLKES VNLNTIVDVY  TVEQLKV KAL KSEGKADPFY GILYAYISTL NIDDETTKV V RNRCSSCGYI VNEASNTCTI  CNQDSSRLKS FFLSFDVLVD LTDHTGTLHS CSLSGSIAEE TLGCTINEFL TMTSEQKTKL  KWQLLLERSK IYKLILSHR ARGGLKV TIL SCKLADPTEA SRNLARQGHT <b>Sequence without tag.</b></p> <p><b>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>

## Product Details

### 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:

MEIOB

### Alternative Name:

Meiob ([MEIOB Products](#))

### Background:

Meiosis-specific with OB domain-containing protein (EC 3.1.-.-) (Protein expressed in male leptotene and zygotene spermatocytes 675) (MLZ-675),FUNCTION: Single-stranded DNA-binding protein required for homologous recombination in meiosis I. Required for double strand breaks (DSBs) repair and crossover formation and promotion of faithful and complete synapsis. Not required for the initial loading of recombinases but required to maintain a proper number of RAD51 and DMC1 foci after the zygotene stage. May act by ensuring the stabilization of recombinases, which is required for successful homology search and meiotic recombination. Displays Single-stranded DNA 3'-5' exonuclease activity in vitro.  
{ECO:0000269|PubMed:20339383, ECO:0000269|PubMed:24068956, ECO:0000269|PubMed:24240703}.

### Molecular Weight:

53.0 kDa

### UniProt:

[Q9D513](#)

## 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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Restrictions:	For Research Use only
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## 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