

Datasheet for ABIN7563544  
**MEIS2 Protein (AA 1-477) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MEIS2
Protein Characteristics:	AA 1-477
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEIS2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Meis2 Protein expressed in mammalian cells.
Sequence:	<p>MAQRYDELPH YGGMDGVGVP ASMYGDPHAP RPIPPVHHLN HGPPLHATQH YGAHAPHPNV  MPASMGSASN DALKRDKDAI YGHPLFPLLA LVFEKCELAT CTPREPGVAG GDVCSDDSFN  EDIAVFAKQV RAEKPLFSSN PELDNLMIAQ IQVLRFHLL LEKVHELCDN FCHRYISCLK  GKMPIDLVID ERDGSKSDH EELSGSSTNL ADHNPSSWRD HDDATSTHSA GTPGPSSGGH  ASQSGDNSSE QGDGLDNSVA SPGTGDDDDP DKDKKRQKKR GIFPKVATNI MRAWLFQHLT  HPYPSEEQKK QLAQDTGLTI LQVNNWFINA RRRIVQPMID QSNRAGFLLD PSVSQGAAYS  PEGQPMGSFV LDGQQHMGIR PAGLQSM PGD YVSQGGPMGM GMAQPSYTPP QMTPHPTQLR  HGPPMHSLYP SHPHHPAMVM HGGPPTHGPM TMSAQSTML NSVDPNVGGQ VMDIHAQ</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>

## Product Details

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### 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

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### Target:

MEIS2

### Alternative Name:

Meis2 ([MEIS2 Products](#))

### Background:

Homeobox protein Meis2 (Meis1-related protein 1),FUNCTION: Involved in transcriptional regulation. Binds to HOX or PBX proteins to form dimers, or to a DNA-bound dimer of PBX and HOX proteins and thought to have a role in stabilization of the homeoprotein-DNA complex. Isoform Meis2B is required for the activity of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells involved in the transcriptional activation of the ELA1 enhancer, the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element, MEIS2 is not involved in complex DNA-binding. Probably in complex with PBX1, is involved in transcriptional regulation by KLF4. Isoforms Meis2B and Meis2D can bind to a EPHA8 promoter sequence containing the DNA motif 5'-CGGTCA-3', in cooperation with a PBX protein (such as PBX2) is proposed to be involved in the transcriptional activation of EPHA8 in the developing midbrain. May be involved in regulation of myeloid differentiation. Can bind to the DNA sequence 5'-TGACAG-3'in the activator ACT sequence of the D(1A) dopamine receptor (DRD1) promoter and activate DRD1 transcription. {ECO:0000269|PubMed:11279116,

### Target Details

	ECO:0000269 PubMed:11438208, ECO:0000269 PubMed:17178831}.
Molecular Weight:	51.7 kDa
UniProt:	<a href="#">P97367</a>

### 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