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Datasheet for ABIN7563136
MEOX2 Protein (AA 1-303) (His tag)

Overview

Quantity:	1 mg
Target:	MEOX2
Protein Characteristics:	AA 1-303
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEOX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Meox2 Protein expressed in mammalien cells.
Sequence:	<p>MEHPLFGCLR SPHATAQGLH PFSQSSLALH GRSDHMSYPE LSTSSSSCII AGYPNEEGMF ASQHHRGHHH HHHHHHHHHQ QQHQALQSN WHLPQMSSPP SAARHSLCLQ PDSGGPELQ SSPVLCSNS SSLGSSTPTG AACAPGDYGR QALSPADVEK RSGSKRKSIDS SDSQEGNYKS EVNSKPRKER TAFTKEQIRE LEAEFAHHNY LTRLRRYEIA VNLDLTERQV KVWFQNRMMK WKRVKGGQQG AAAREKELVN VKKGTLLPSE LSGIGAATLQ QTGDSLANED SRDSDHSSEH AHL</p> <p>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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	MEOX2
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Alternative Name:	Meox2 (MEOX2 Products)
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Background:	<p>Homeobox protein MOX-2 (Growth arrest-specific homeobox) (Mesenchyme homeobox 2),FUNCTION: Mesodermal transcription factor that plays a key role in somitogenesis and somitogenesis and limb muscle differentiation (PubMed:12925591, PubMed:10403250, PubMed:1363541). Required during limb development for normal appendicular muscle formation and for the normal regulation of myogenic genes (PubMed:10403250). May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle (By similarity). Also acts as a negative regulator of angiogenesis (PubMed:16116430). Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation (By similarity). While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner (By similarity). Together with TCF15, regulates transcription in heart endothelial cells to regulate fatty acid transport across heart endothelial cells (PubMed:25561514). {ECO:0000250 UniProtKB:P39020, ECO:0000250 UniProtKB:P50222, ECO:0000269 PubMed:10403250, ECO:0000269 PubMed:12925591, ECO:0000269 PubMed:1363541, ECO:0000269 PubMed:16116430, ECO:0000269 PubMed:25561514}.</p>
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Target Details

Molecular Weight: 33.5 kDa

UniProt: [P32443](#)

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