

Datasheet for ABIN7563135
MEOX1 Protein (AA 1-253) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | MEOX1 |
| Protein Characteristics: | AA 1-253 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MEOX1 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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|------------------|---|
| Purpose: | Custom-made recombinat Meox1 Protein expressed in mammalien cells. |
| Sequence: | MDPVANSCVR NPQPPAPVWG CLRNPHSEDS SASGLSHYPP TPFSEFHQKSD FPATAAYPDF SASCLAATPH SLPRTERIFN EQHPAFPQTP DWHFPISEAG QRLNLGPAGS AREMGAGSPG LVDGTAGLGE DCMVLGTIAN ETEKKSSRRK KERSDNQENG GKGPEGSSKA RKERTAFTKE QLRELEAEFA HHNYLTRLRR YEIAVNLDLS ERQVKVWFQN RRMKWKRKVG GQPVSPQEQD REDGDSAASP SSE 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. |
| Characteristics: | Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and |

Product Details

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: MEOX1

Alternative Name: Meox1 ([MEOX1 Products](#))

Background: Homeobox protein MOX-1 (Mesenchyme homeobox 1),FUNCTION: Mesodermal transcription factor that plays a key role in somitogenesis and is specifically required for sclerotome development. Required for maintenance of the sclerotome polarity and formation of the cranio-cervical joints (PubMed:19520072). Binds specifically to the promoter of target genes and regulates their expression. Activates expression of NKX3-2 in the sclerotome (PubMed:15024065). Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation. While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner (PubMed:22206000). Required for hematopoietic stem cell (HSCs) induction via its role in somitogenesis: specification of HSCs occurs via the deployment of a specific endothelial precursor population, which arises within a sub-compartment of the somite named endotome (By similarity).
{ECO:0000250|UniProtKB:F1Q4R9, ECO:0000269|PubMed:12925591, ECO:0000269|PubMed:1363541, ECO:0000269|PubMed:15024065, ECO:0000269|PubMed:15039437, ECO:0000269|PubMed:18417617, ECO:0000269|PubMed:19520072, ECO:0000269|PubMed:22206000}.

Molecular Weight: 28.0 kDa

Target Details

UniProt: [P32442](#)

Pathways: [Chromatin Binding](#)

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
