

Datasheet for ABIN7556817  
**PITX2 Protein (AA 1-317) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PITX2
Protein Characteristics:	AA 1-317
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Pitx2 Protein expressed in mammalien cells.
Sequence:	METNCRKLVS ACVQLGVQPA AVECLFSKDS EIKKVEFTDS PKSRKESASS KLFPRQHPGA NEKDKGQQGK NEDVGAEDPS KKKRQRRQRT HFTSQQLQEL EATFQRNRYP DMSTREEIAV WTNLTEARVR VWFKNRRAKW RKRERNQAE LCKNGFGPQF NGLMQPYDDM YPGYSYNNWA AKGLTSASLS TKSFPFFNSM NVNPLSSQSM FSPNSISSM SMSSSMVPSA VTGVPGSSLN SLNNLNNLSS PSLNSAVPTP ACPYAPPTPP YVYRDTCNSS LASLRLKAKQ HSSFGYASVQ NPASNLSACQ YAVDRPV <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>

Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>
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## Product Details

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- 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:	PITX2
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Alternative Name:	Pitx2 ( <a href="#">PITX2 Products</a> )
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Background:	Pituitary homeobox 2 (ALL1-responsive protein ARP1) (BRX1 homeoprotein) (Bicoid-related homeobox protein 1) (Homeobox protein PITX2) (Orthodenticle-like homeobox 2) (Paired-like homeodomain transcription factor 2) (Solurshin),FUNCTION: May play a role in myoblast differentiation. When unphosphorylated, associates with an ELAVL1-containing complex, which stabilizes cyclin mRNA and ensuring cell proliferation. Phosphorylation by AKT2 impairs this association, leading to CCND1 mRNA destabilization and progression towards differentiation. {ECO:0000269 PubMed:20019746},. FUNCTION: [Isoform Ptx2c]: Involved in the establishment of left-right asymmetry in the developing embryo. {ECO:0000269 PubMed:10585561}.
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Molecular Weight:	35.3 kDa
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UniProt:	<a href="#">P97474</a>
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Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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