

Datasheet for ABIN7556691  
**PITX1 Protein (AA 1-315) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PITX1
Protein Characteristics:	AA 1-315
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Pitx1 Protein expressed in mammalien cells.
Sequence:	MDAFKGGMSL ERLPEGLRPP PPPPHDMGPS FHLARAADPR EPLENSASES SDADLPDKER GGEAKGPEDG GAGSAGCGGG AEDPAKXXXKQ RRQRTHFTSQ QLQELEATFQ RNRYPDMSMR EEIAVWTNLT EPRVRVWFKN RRAKWRKRER NQQLDLCKGG YVPQFSGLVQ PYEDVYAAGY SYNNWAAKSL APAPLSTKSF TFFNSMSPLS SQSMFSAPSS ISSMTMPSSM GPGAVPGMPN SGLNNINLT GSSLNSAMSP GACPYGTPAS PYSVYRDTCN SSLASLRLKS KQHSSFGYGG LQGPASGLNA CQYNS <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>

## 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:	PITX1
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Alternative Name:	Pitx1 ( <a href="#">PITX1 Products</a> )
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Background:	Pituitary homeobox 1 (Hindlimb-expressed homeobox protein backfoot) (Homeobox protein P-OTX) (Homeobox protein PITX1) (Paired-like homeodomain transcription factor 1) (Pituitary OTX-related factor),FUNCTION: Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb. Can independently activate and synergize with PIT-1 on pituitary-specific target gene promoters, thus may subserve functions in generating both precursor and specific cell phenotypes in the anterior pituitary gland and in several other organs. Can activate pituitary transcription of the proopiomelanocortin gene. {ECO:0000250 UniProtKB:P56673, ECO:0000269 PubMed:8675014, ECO:0000269 PubMed:8755540}.
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Molecular Weight:	34.1 kDa
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UniProt:	<a href="#">P70314</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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