

Datasheet for ABIN7561844  
**MNX1 Protein (AA 1-404) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MNX1
Protein Characteristics:	AA 1-404
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MNX1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Mnx1 Protein expressed in mammalian cells.
Sequence:	MEKSKNFRID ALLAVDPPRA ASTQSAPLAL VTSLATTVSG PGRGGSGGGG TSSGASRSCS PASSEATAAP GDRLRAESPS PPRLAAHCA LLPKPGFLGA GGGGAAGGP GTPHHHAHPG AAAAAAAAA AAAAGGLALG LHPGGAQGGG GLPAQAALYG HPVYSYSAAA AAAALAGQHP ALSYSYPQVQ GAHPAHPADP IKLGASTFQL DQWLRAS TAG MILPKMPDFS CEAQSNLLGK CRRPRTAFTS QQLLELEHQF KLNKYLSRPK RFEVATSLML TETQVKIWFQ NRRMKWKRSK KAKEQAAQEA EKQKGGGGGT GKGGSEEKTE EELMGPPVSG DKASGRRLRD LRSDPDEDE DDEEDNFPY SNGAGAHAAS SDCSSEDDSP PPRLGGPGHQ PLPQ <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

MNX1

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### Alternative Name:

Mnx1 ([MNX1 Products](#))

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### Background:

Motor neuron and pancreas homeobox protein 1 (Homeobox protein HB9),FUNCTION: Transcription factor (PubMed:18539116). Recognizes and binds to the regulatory elements of target genes, such as visual system homeobox CHX10, negatively modulating transcription (PubMed:18539116). Plays a role in establishing motor neuron identity, in concert with LIM domain transcription cofactor LMO4 (PubMed:18539116). Involved in negatively modulating transcription of interneuron genes in motor neurons, acting, at least in part, by blocking interactions of ISL1-LHX3 complexes with regulatory elements (PubMed:18539116). Involved in pancreas development and function, may play a role in pancreatic cell fate specification (PubMed:10471502). {ECO:0000269|PubMed:10471502, ECO:0000269|PubMed:18539116}.

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### Molecular Weight:

41.3 kDa

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### UniProt:

[Q9QZW9](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. 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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