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Datasheet for ABIN7553963  
**FOXN4 Protein (AA 1-517) (His tag)**

## Overview

Quantity:	1 mg
Target:	FOXN4
Protein Characteristics:	AA 1-517
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXN4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat FOXN4 Protein expressed in mammalian cells.
Sequence:	MIESDTSSIM SGIIRNSGQN HHPSPQEYRL LATTSDDDLPGDLQSLSWLT AVDVPRLQQM ASGRVDLGGP CVPHPHPGAL AGVADLHVGA TPSPL LHGPA GMAPRGMPGL GPITGHRDSM SQFPVGGQPS SGLQDPPHLY SPATQPQFPL PPGAQQCPPV GLYGPPFGVR PPYPQPHVAV HSSQELHPKH YPKPIYSYSC LIAMALKNSK TGSLPVSEIY SFMKEHFPYF KTAPDGWKNS VRHNLSLNC FEKVENKMSG SSRKGCLWAL NLARIDKMEE EMHKWKRKDL AAIHRSMANP EELDKLISDR PESCRPPGK GEPEAPVLTH ATTVAVAHGC LAVSQLPPQP LMTLSLQSV LHHQVQPQAH LAPDSPAPAQ TPPLHALPDL SPSPLPHAM GRAPVDFINI STDMNTEVDA LDPSIMDFAL QGNLWEEMKD EGFSLDTLGA FADSPLGCDL GASGLTPASG GSDQSFPDLQ VTGLYTAYST PDSVAASGTS SSSQYLGAQG NKPIALL <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</b>

## Product Details

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### contact us.

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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.

#### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

#### Grade:

custom-made

## Target Details

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#### Target:

FOXN4

#### Alternative Name:

FOXN4 ([FOXN4 Products](#))

#### Background:

Forkhead box protein N4,FUNCTION: Transcription factor essential for neural and some non-neural tissues development, such as retina and lung respectively. Binds to an 11-bp consensus sequence containing the invariant tetranucleotide 5'-ACGC-3'. During development of the central nervous system, is required to specify the amacrine and horizontal cell fates from multipotent retinal progenitors while suppressing the alternative photoreceptor cell fates through activating DLL4-NOTCH signaling. Also acts synergistically with ASCL1/MASH1 to activate DLL4-NOTCH signaling and drive commitment of p2 progenitors to the V2b interneuron fates during spinal cord neurogenesis. In development of non-neural tissues, plays an essential role in the specification of the atrioventricular canal and is indirectly required for patterning the distal airway during lung development (By similarity). {ECO:0000250}.

#### Molecular Weight:

55.2 kDa

## Target Details

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UniProt: [Q96NZ1](#)

## 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.

Restrictions: For Research Use only

## Handling

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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