

Datasheet for ABIN7564657
FOXN4 Protein (AA 1-521) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	FOXN4
Protein Characteristics:	AA 1-521
Origin:	Mouse
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 mammalien cells.
Sequence:	MIESGIWSRM SEMIRSSGHS HHCSPQEYRF LPPVGDDDL P GDLQSLSWLT AVDVPRLLQQM ANGRIDLGSS GVTHPHPGAL AGTADLHVGA APRPLLRRSQ TAVVPRGVLG LSPIGNHRAS AEQMNQFPAG GQASSGLQEM PQLYSPATQI PFPLPLGSQQ CPPAGLYGSP FSARPSYPQA HGAMHASQEP HPKHYPKPIY SYSCLIAMAL KNSKTGSLPV SEIYSFMKEH FPFYFKTAPDG WKNSVRHNLS LNKCFEKVET KSSGSSRKGK LWALNLARID KMEEEMHKWK RKDLAAIHR MANPEELDKL ISDRPESCRR PGKRGEKAP MLTHATTVAM AHSCLAISQL PPKPLMTLSL QSVPLHHQLQ PQAHLAPDSP APAQTPLHA LPSLSPGPLP QPAMGRVPGD FLNINSDMNT EVDALDPSIM DFALQGNLWE EMKEDSFSLD TLEAFGDSPL GCDLGAPSLT PVSGNSDQSF PDVQVTGLYA AYSTAADGVA PSAANSAQYL GTPGNKPIAL L 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

Product Details

request, please contact us.

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

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. {ECO:0000269|PubMed:15363391, ECO:0000269|PubMed:16020526, ECO:0000269|PubMed:17728344, ECO:0000269|PubMed:21438071, ECO:0000269|PubMed:22323600,

Target Details

ECO:0000269|PubMed:23652001}.

Molecular Weight: 56.1 kDa

UniProt: [Q8K3Q3](#)

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