

Datasheet for ABIN7563922
FOXN1 Protein (AA 1-648) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	FOXN1
Protein Characteristics:	AA 1-648
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Foxn1 Protein expressed in mammalian cells.
Sequence:	MVSLPPQSD VTLPGSTRLE GEPQGDLMQA PGLPDSPAPQ NKHANFSCSS FVPDGPPERT PSLPPHSPSI ASPDPEQIQG HCTAGPGPGS FRLSPSEKYP GFGFEEGPAG SPGRFLKGNH MPFHYPYKRHF HEDIFSEAQT AMALDGHSFK TQGALEAFEE IPVDMGDAAE FLPSFPAAEW CNKLPYPSQE HNQILQGSEV KVKPQALDSG PGMICYQPPL QHMYCSSQPA FHQYSPGGGS YPVPYLGSPH YPYQRIAPQA NAEHQPLFP KPIYSYSILI FMALKNSKTG SLPVSEIYNF MTEHFPYFKT APDGWKNSVR HNLSLNKCFE KVENKSGSSS RKGCLWALNP SKIDKMQEEL QKWKRKDPIA VRKSMAPKEE LDSLIGDKRE KLGSPLLGCP PPGLAGPGPI RPMAPSAGLS QPLHPMHPAP GPMPGKNPLQ DLLGGHAPSC YGQTYPHLSP SLAPSGHQQP LFPQPDGHLE LQAQPGTPQD SPLPAHTPPS HGAKLMAEPS SARTMHD TLL PDGDLGTDLD AINPSLTD F D FQGNLWEQLK DDSLALDPLV LVTSSPTSSS MLPPPPAAHC FPPGPCLAET GNEAGELAPP GSGGSGALGD MHLSTLYSAF VELESTPSSA AAGPAVYLSP GSKPLALA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a

Product Details

different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: FOXN1

Alternative Name: Foxn1 ([FOXN1 Products](#))

Background: Forkhead box protein N1 (Hepatocyte nuclear factor 3 forkhead homolog 11) (HFH-11) (HNF-3/forkhead homolog 11) (Winged-helix transcription factor nude),FUNCTION: Transcriptional regulator which regulates the development, differentiation, and function of thymic epithelial cells (TECs) both in the prenatal and postnatal thymus. Acts as a master regulator of the TECs lineage development and is required from the onset of differentiation in progenitor TECs in the developing fetus to the final differentiation steps through which TECs mature to acquire their full functionality. Regulates, either directly or indirectly the expression of a variety of genes that mediate diverse aspects of thymus development and function, including MHC Class II, DLL4, CCL25, CTSL, CD40 and PAX1. Regulates the differentiation of the immature TECs into

Target Details

functional cortical TECs (cTECs) and medullary TECs (mTECs) (PubMed:22072979). Essential for maintenance of mTECs population in the postnatal thymus (PubMed:19955175). Involved in the morphogenesis and maintenance of the three-dimensional thymic microstructure which is necessary for a fully functional thymus (PubMed:21109991). Plays an important role in the maintenance of hematopoiesis and particularly T lineage progenitors within the bone marrow niche with age (PubMed:24184560). Essential for the vascularization of the thymus anlage (PubMed:19853842). Promotes the terminal differentiation of epithelial cells in the epidermis and hair follicles, partly by negatively regulating the activity of protein kinase C (PubMed:17459087). {ECO:0000269|PubMed:17459087, ECO:0000269|PubMed:19853842, ECO:0000269|PubMed:19955175, ECO:0000269|PubMed:21109991, ECO:0000269|PubMed:22072979, ECO:0000269|PubMed:24184560}.

Molecular Weight: 69.2 kDa

UniProt: [Q61575](#)

Application Details

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.

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