

Datasheet for ABIN7547830
FOXI3 Protein (AA 1-420) (His tag)



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Overview

Quantity:	1 mg
Target:	FOXI3
Protein Characteristics:	AA 1-420
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXI3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat FOXI3 Protein expressed in mammalian cells.
Sequence:	<p>MALYCGDNFG VYSQPLPPP AATAAAPGAP PAARAPYGLA DYAAPAAAA NPYLWLNGPG VGGPPSAAAA AAAAYLGAPP PPPPPGAAAG PFLQPPPAAG TFGCSQRPFA QPAPAAPASP AAPAGPGELG WLSMASREDL MKMVRPPYSY SALIAMAIQS APERKLTLSH IYQFVADSF FYQRSKAGWQ NSIRHNLSLN DCFKKVPRDE DDPGKGNWT LDPNCEKMF NGNFRRKRKR RSEASNGSTV AAGTSKSEEG LSSGLGSGVG GKPEEESPST LLRPSHSPEP PEGTKSTASS PGGPMLTSTP CLNTFFSSL SLSVSSSVST QRALPGSRHL GIQGAQLPSS GVFSPTSISE ASADTLQLSN STSNSTGQRS SYSPFPAST SGGQSSPFSS PFHNFSMVNS LIYPREGSEV</p> <p>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.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	FOXI3
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Alternative Name:	FOXI3 (FOXI3 Products)
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Background:	Forkhead box protein I3,FUNCTION: Transcription factor required for pharyngeal arch development, which is involved in hair, ear, jaw and dental development (PubMed:37041148). May act as a pioneer transcription factor during pharyngeal arch development (By similarity). Required for epithelial cell differentiation within the epidermis (By similarity). Acts at multiple stages of otic placode induction: necessary for preplacodal ectoderm to execute an inner ear program (By similarity). Required for hair follicle stem cell specification (By similarity). Acts downstream of TBX1 for the formation of the thymus and parathyroid glands from the third pharyngeal pouch (By similarity). {ECO:0000250 UniProtKB:D3Z120, ECO:0000269 PubMed:37041148}.
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Molecular Weight:	43.3 kDa
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UniProt:	A8MTJ6
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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.
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Restrictions:	For Research Use only
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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