

Datasheet for ABIN7557726
FOXJ1 Protein (AA 1-421) (His tag)



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Overview

Quantity:	1 mg
Target:	FOXJ1
Protein Characteristics:	AA 1-421
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXJ1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Foxj1 Protein expressed in mammalian cells.
Sequence:	MAESWLRLCG AGPGEEAGPE GGMEEPDALD DSLTSLQWLQ EFSILNAKAP TLPPGGTDPH GYHQVPGLVA PGSPLAADPA CLGQPHTPGK PTSSCTSRSA PPGLQAPPPD DVDYATNPHV KPPYSYATLI CMAMQASKAT KITLSAIYKW ITDNFCYFRH ADPTWQNSIR HNLSLNKCFI KVPREKDEPG KGGFWRIDPQ YAERLLSGAF KKRRLPPVHI HPAFARQASQ EPSAAPWGPP LTVNREAQQL LQEFEEATGE GGWGTGEGRL GHKRKQPLPK RVAKVLRPPS TLLLTQEEQG ELEPLKGNFD WEAIFEAGAL GEELSSLEGL ELSPLSPSS HGDVDLTVHG RHINCPATWG PPAEQAADSL DFDFTFLATS FLQHPWDESG SGCLPPEPIF EAGDATLAAD LQDWASVGAF 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 request, please contact us.
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:	FOXJ1
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Alternative Name:	Foxj1 (FOXJ1 Products)
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Background:	Forkhead box protein J1 (Hepatocyte nuclear factor 3 forkhead homolog 4) (HFH-4),FUNCTION: Transcription factor specifically required for the formation of motile cilia (PubMed:9096351, PubMed:9739041, PubMed:10873152, PubMed:14996907, PubMed:22357932, PubMed:27965440). Acts by activating transcription of genes that mediate assembly of motile cilia, such as CFAP157 (PubMed:27965440). Binds the DNA consensus sequences 5'-HWDTGTTTGTTTA-3' or 5'-KTTTGTTGTTKTW-3' (where H is not G, W is A or T, D is not C, and K is G or T) (PubMed:9096351). Activates the transcription of a variety of ciliary proteins in the developing brain and lung (PubMed:28666954, PubMed:27914912). {ECO:0000269 PubMed:10873152, ECO:0000269 PubMed:14996907, ECO:0000269 PubMed:22357932, ECO:0000269 PubMed:27914912, ECO:0000269 PubMed:27965440, ECO:0000269 PubMed:28666954, ECO:0000269 PubMed:9096351, ECO:0000269 PubMed:9739041}.
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Molecular Weight:	45.5 kDa
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UniProt:	Q61660
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Target Details

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

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