

Datasheet for ABIN7547708
FOXD3 Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	FOXD3
Protein Characteristics:	AA 1-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXD3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant FOXD3 Protein expressed in mammalian cells.
Sequence:	<p>MTLSGGGSAS DMSGQTVLTA EDVDIDVVGE GDDGLEEKDS DAGCDSPAGP PELRLDEADE VPPAAPHHGQ PQPPHQPLT LPKEAAGAGA GPGGDVGAPE ADGCKGGVGG EEGGASGGGP GAGSGSAGGL APSKPKNSLV KPPYSYIALI TMAILQSPQK KLTLSGICEF ISNRFPYYRE KFFAWQNSIR HNLSLNDCFV KIPREPGNPG KGNWYTLDPQ SEDMFDNGSF LRRRKRFKRH QQEHLREQTA LMMQSFGAYS LAAAAGAAGP YGRPYGLHPA AAAGAYSHPA AAAAAAAAAA LQYPYALPPV APVLPPAVPL LPSGELGRKA AAFGSQLGPG LQLQLNSLGA AAAAAGTAGA AGTTASLIKS EPSARPSFSI ENIGGGPAA PGGSavgagv AGGTGGSGGG STAQSFLRPP GTVQSAALMA THQPLSLSRT TATIAPILSV PLSGQFLQPA ASAAAAAAAA AQAkWPAQ 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.</p>

Product Details

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:

FOXD3

Alternative Name:

FOXD3 ([FOXD3 Products](#))

Background:

Forkhead box protein D3 (HNF3/FH transcription factor genesis),FUNCTION: Binds to the consensus sequence 5'-A[AT]T[AG]TTTGTTT-3' and acts as a transcriptional repressor (PubMed:11891324). Also acts as a transcriptional activator (PubMed:11891324). Negatively regulates transcription of transcriptional repressor RHIT/ZNF205 (PubMed:22306510). Promotes development of neural crest cells from neural tube progenitors (PubMed:11891324). Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation (PubMed:11891324). Required for maintenance of pluripotent cells in the pre-implantation and peri-implantation stages of embryogenesis (PubMed:11891324). {ECO:0000269|PubMed:11891324, ECO:0000269|PubMed:22306510}.

Molecular Weight:

47.6 kDa

UniProt:

[Q9UJU5](#)

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