

Datasheet for ABIN7556806

NKX3-1 Protein (AA 1-237) (His tag)



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Overview

Quantity:	1 mg
Target:	NKX3-1
Protein Characteristics:	AA 1-237
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NKX3-1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Nkx3-1 Protein expressed in mammalian cells.
Sequence:	<p>MLRVAEPREP RVEAGGRSPW AAPPTQSKRL TSFLIQDILR DRAERHGGHS GNPQHSPDPR</p> <p>RDSAPEPDKA GGRGVAPEDP PSIRHSPAET PTEPESDAHF ETYLLDCEHN PGDLASAPQV</p> <p>TKQPQKRSRA AFSHTQVIEL ERKFSHQKYL SAPERAHLAK NLKLTETQVK IWFQNRRTYKT</p> <p>KRKQLSEDLG VLEKNSPLSL PALKDDSLPS TSLVSVYTSY PYPYLYCLG SWHPSFW Sequence</p> <p>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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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: NKX3-1

Alternative Name: Nkx3-1 ([NKX3-1 Products](#))

Background: Homeobox protein Nkx-3.1 (Homeobox protein NK-3 homolog A),FUNCTION: Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor (By similarity). Plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate (PubMed:10215624). Acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to suppress growth and tumorigenicity of prostate carcinoma cells (PubMed:12036903). Plays a role in the formation of minor salivary glands (particularly palatine and lingual glands) (PubMed:10906459). {ECO:0000250|UniProtKB:Q99801, ECO:0000269|PubMed:10215624, ECO:0000269|PubMed:10906459, ECO:0000269|PubMed:12036903}.

Molecular Weight: 26.8 kDa

UniProt: [P97436](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Positive Regulation of Endopeptidase Activity](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

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