

Product datasheet

Recombinant Human Nkx3.1 protein ab134861

Description

Product name	Recombinant Human Nkx3.1 protein
Purity	> 90 % SDS-PAGE. ab134861 was refolded using temperature shift inclusion body refolding technology and chromatographically purified.
Expression system	Escherichia coli
Accession	<u>Q99801</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFLRVPEPRPG EAKAEGAAPPTP SKPLTSFLIQDILRDGAQRQGGRTSSQRQRDPEPEPEPEP EGGRSRAGAQ NDQLSTGPRAAPEEAETLAETEPERHLGSYLLDSENTSG ALPRLPQTPKQ PQKRSRAAFSHTQVIELERKFESHQKYL SAPERAHLAKNLK LTETQVKWF QNRRYKTKRKQLSSELGDLEKHSSLPALKEEAFSRASLV SVYNSYPYPYLYCVGSWSPAFW
Predicted molecular weight	29 kDa including tags
Amino acids	2 to 234
Tags	His tag N-Terminus , T7 tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab134861** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: Potassium chloride, 0.05% DTT, 0.32% Tris HCl, 0.02% EDTA, Glycerol, Sodium chloride, 3.4% DL-Arginine

General Info

Function

Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Act as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells.

Tissue specificity

Highly expressed in the prostate and, at a lower level, in the testis.

Sequence similarities

Belongs to the NK-3 homeobox family.

Contains 1 homeobox DNA-binding domain.

Post-translational modifications

Ubiquitinated by TOPORS; monoubiquitinated at several residues and also polyubiquitinated on single residues.

Cellular localization

Nucleus.

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