

Product datasheet for **TP310374L**

Nkx3.1 (NKX3-1) (NM_006167) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human NK3 homeobox 1 (NKX3-1), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC210374 protein sequence
Red=Cloning site **Green**=Tags(s)

MLRVPEPRPGEAKAEGAAPPTPSKPLTSFLIQDILRDGAQRQGGRTSSQRQRDPEPEPEPEPEGGRSRAG
AQNDQLSTGPRAAPEEAETLAETEPERHLGSYLLDSENTSGALPRLPQTPKQPQKRSRAAFSHTQVIELE
RKFSHQKYL SAPERAHLAKNLKLTETQVKIWFQNRRYKTKRKQLSSELGDLEKHSSLPALKEEAFSRASL
VSVYNSYPYPYLYCVGSWSPAFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 26.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_006158](#)

Locus ID: 4824

UniProt ID: [Q99801](#)



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RefSeq Size: 3281

Cytogenetics: 8p21.2

RefSeq ORF: 702

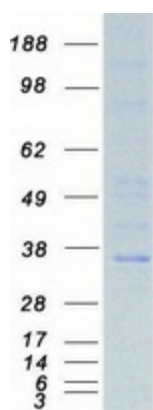
Synonyms: BAPX2; NKX3; NKX3.1; NKX3A

Summary: This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of this gene is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Prostate cancer

Product images:



Coomassie blue staining of purified NKX3-1 protein (Cat# [TP310374]). The protein was produced from HEK293T cells transfected with NKX3-1 cDNA clone (Cat# [RC210374]) using MegaTran 2.0 (Cat# [TT210002]).