

Product datasheet for **TP310374**

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), 20 µg
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:	<u>NP_006158</u>
Locus ID:	4824
UniProt ID:	<u>Q99801</u>



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RefSeq Size: 3281

Cytogenetics: 8p21.2

RefSeq ORF: 702

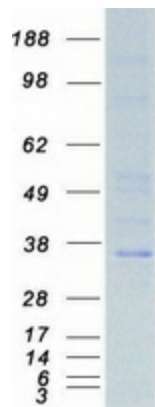
Synonyms: BAPX2; NKX3; NKX3.1; NKX3A

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]).