

Product datasheet for **TP524654**

Nkx3-1 (NM_010921) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NK3 homeobox 1 (Nkx3-1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224654 protein sequence Red =Cloning site Green =Tags(s)

MLRVAEPREPRVEAGGRSPWAAPPTQSKRLTSFLIQDILRDRAERHGGHSGNPQHSPDPRRDSAPEPDKA
GGRGVAPEDPPSIRHSPAETPTEPESDAHFFETYLLDCEHNPGDLASAPQVTKQPQKRSRAAFSHTQVIEL
ERKFHQKYL SAPERAHLAKNLKLTETQVKIWFQNRRYKTKRKQLSEDLGVLEKNSPLSLPALKDDSLPS
TSLVSVYTSYPYPYLYCLGSWHPSFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	26.8 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
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 after receiving vials.
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_035051
Locus ID:	18095
UniProt ID:	P97436 , Q3UVH8
RefSeq Size:	3137



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Cytogenetics: 14 36.02 cM

RefSeq ORF: 714

Synonyms: bagpipe; Bax; Nkx-3.1; NKX3.1; NKX3A

Summary: 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. Acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to suppress growth and tumorigenicity of prostate carcinoma cells. Plays a role in the formation of minor salivary glands (particularly palatine and lingual glands). Essential for appropriate differentiation and secretory function of the bulbourethral gland.
[UniProtKB/Swiss-Prot Function]