

Recombinant Mouse Nkx3-1 Protein, Myc/DDK-tagged

Cat. No. Nkx3-1-4427M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length NK3 homeobox 1 (Nkx3-1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. 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.
Molecular Mass	26.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nkx3-1 NK3 homeobox 1 [*Mus musculus* (house mouse)]

Official Symbol Nkx3-1

Synonyms NKX3-1; NK-3 transcription factor, locus 1 (*Drosophila*); homeobox protein Nkx-3.1; homeobox protein NK-3 homolog A; *Drosophila* NK-3 transcription factor, locus 1; Bax; NKX3A; NKX3.1; Nkx-3.1; bagpipe

Gene ID 18095

mRNA Refseq NM_010921

Protein Refseq NP_035051

UniProt ID P97436

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