

## Product datasheet for **MR224654L3V**

### **Nkx3 (Nkx3-1) (NM\_010921) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Nkx3 (Nkx3-1) (NM_010921) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx3-1
Synonyms:	bagpipe; Bax; Nkx-3.1; NKX3.1; NKX3A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010921
ORF Size:	714 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224654).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_010921.3</a> , <a href="#">NP_035051.1</a>
RefSeq Size:	3137 bp
RefSeq ORF:	714 bp
Locus ID:	18095
UniProt ID:	<a href="#">P97436</a>
Cytogenetics:	14 36.02 cM



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**Gene 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]